

Natural Gas Monthly

October 2001

Energy Information Administration
Office of Oil and Gas
U.S. Department of Energy
Washington, DC 20585

This report is available on the WEB at:

[Http://www.eia.doe.gov/oil_gas/natural_gas /data_publications/natural_gas_monthly/ngm.html](http://www.eia.doe.gov/oil_gas/natural_gas /data_publications/natural_gas_monthly/ngm.html)

This report was prepared by the Energy Information Administration, the independent statistical and analytical agency within the Department of Energy. The information contained herein should be attributed to the Energy Information Administration and should not be construed as advocating or reflecting any policy position of the Department of Energy or any other organization.

Natural Gas Publications and Databases Available Electronically

All of the natural gas publications are available electronically on the EIA website. Certain natural gas data are also provided in database formats on the web site. The table below is a guide to the major natural gas products.

Product	Format	Contents
Publications		
<i>Natural Gas Weekly Update</i>	PDF	Analysis of current price, supply and storage data
<i>Natural Gas Monthly</i>	PDF	Monthly supply, disposition, and price data
<i>Natural Gas Annual</i>	PDF	Annual supply, disposition, and price data
<i>Historical Natural Gas Annual</i>	PDF	Historical annual supply, disposition, and price data from 1930 - 1999
<i>Issues and Trends</i>	PDF	Comprehensive analysis of growth and change in the natural gas industry
<i>U.S. Crude Oil, Natural Gas and Natural Gas Liquids Reserves</i>	PDF	Proved reserves in the United States
<i>Oil and Gas Field Code Master List</i>	PDF	Listing of U.S. oil and gas field names
Databases		
Monthly Data	TXT	Tables 1-6, and 9 from the <i>Natural Gas Monthly</i>
Historical Monthly Data	EXE	Consumption and price data, 1984-1994; 1995-present
Annual Data	TXT	Tables from the <i>Natural Gas Annual</i>
Historical Annual Data	TXT	Tables from the <i>Historical Natural Gas Annual</i>
Field Codes	EXE	Oil & Gas Field Code Master List
Applications		
EIA-176 Query System	EXE	Company filings to the Form EIA-176, "Annual Report of Natural and Supplemental Gas Supply and Disposition"
EIAGIS	EXE	Periodic updates for users of the EIAGIS-NG Geographic Information System

Preface

The *Natural Gas Monthly (NGM)* is prepared in the Natural Gas Division, Office of Oil and Gas, Energy Information Administration (EIA), U.S. Department of Energy (DOE), under the direction of Elizabeth Campbell.

General questions and comments regarding the *NGM* may be referred to Margaret Natof (202) 586-6303. Specific technical questions may be referred to the appropriate persons listed in Appendix E.

The *NGM* highlights activities, events, and analyses of interest to public and private sector organizations associated with the natural gas industry. Volume and price data are presented each month for natural gas production, distribution, consumption, and interstate pipeline activities. Producer-related activities and underground storage data are also reported. From time to time, the *NGM* features articles designed to assist readers in using and interpreting natural gas information.

The data in this publication are collected on surveys conducted by the EIA to fulfill its responsibilities for gathering and reporting energy data. Some of the data are collected under the authority of the Federal Energy Regulatory Commission (FERC), an independent commission within the DOE, which has jurisdiction primarily in the regulation of electric utilities and the interstate natural gas industry. Geographic coverage is the 50 States and the District of Columbia.

Explanatory Notes supplement the information found in tables of the report. A description of the data collection surveys that support the *NGM* is provided in the Data Sources section. A glossary of the terms used in this report is also provided to assist readers in understanding the data presented in this publication.

All natural gas volumes are reported at a pressure base of 14.73 pounds per square inch absolute (psia) and at 60 degrees Fahrenheit. Cubic feet are converted to cubic meters by applying a factor of 0.02831685.

Notice

The Energy Information Administration (EIA) **will no longer print paper copies of the *Natural Gas Monthly* publication for mail list distribution** after release of the December 2001 report. The report will continue to be available on EIA's web site www.eia.doe.gov. Customers who do not have access to the Internet may call the National Energy Information Center (NEIC) to request a single print-on-demand copy (a black and white bound printed document). To take advantage of this service, please call the NEIC at 202-586-8800 or email them at infoctr@eia.doe.gov. This service is provided free of charge for a single copy. Please note: NEIC will not accept or print multiple copy orders.

Current subscribers will receive their final printed copy of the *Natural Gas Monthly* in January 2002 (the December 2001 report). After that, please check our web site each month for the report by doing the following:

Go to EIA's home page at www.eia.doe.gov
Under "By Fuel", click on "Natural Gas"
On the left sidebar, click on "Publications"
Scroll down to locate the *Natural Gas Monthly* and click on it

Common Abbreviations Used in the Natural Gas Monthly

AGA	American Gas Association	Mcf	Thousand Cubic Feet
Bcf	Billion Cubic Feet	MMBtu	Million British Thermal Units
Btu	British Thermal Unit	MMcf	Million Cubic Feet
DOE	U.S. Department of Energy	MMS	United States Minerals Management Service, U.S. Department of the Interior
DOI	U.S. Department of the Interior	OCS	Outer Continental Shelf
EIA	Energy Information Administration, U.S. Department of Energy	STIFS	Short-Term Integrated Forecasting System
FERC	Federal Energy Regulatory Commission	STE0	Short Term Energy Outlook
IOGCC	Interstate Oil and Gas Compact Commission	Tcf	Trillion Cubic Feet
LNG	Liquefied Natural Gas		

Contents

Highlights	1
Appendices	
A. Explanatory Notes	71
B. Data Sources	77
C. Statistical Considerations.....	83
D. Articles, Special Focuses and Special Reports	89
E. Technical Contacts.....	91
Glossary	93

Tables

1. Summary of Natural Gas Production in the United States, 1995-2001.....	5
2. Supply and Disposition of Dry Natural Gas in the United States, 1995-2001.....	6
3. Natural Gas Consumption in the United States, 1995-2001.....	8
4. Selected National Average Natural Gas Prices, 1995-2001	10
5. U.S. Natural Gas Imports, by Country, 1995-2001	12
6. U.S. Natural Gas Exports, by Country, 1995-2001	14
7. Marketed Production of Natural Gas, by State, 1995-2001	15
8. Gross Withdrawals and Marketed Production of Natural Gas by State, June 2001.....	18
9. Underground Natural Gas Storage - All Operators, 1995-2001	19
10. Underground Natural Gas Storage - by Season, 1998-2001.....	21
11. Underground Natural Gas Storage - Salt Cavern Storage Fields, 1995-2001	22
12. Underground Natural Gas Storage - Storage Fields Other than Salt Caverns, 1995-2001	23
13. Net Withdrawals from Underground Storage, by State, 1999-2001	24
14. Activities of Underground Natural Gas Storage Operators, by State, August 2001.....	28
15. Natural Gas Deliveries to Residential Consumers, by State, 1999-2001	29
16. Natural Gas Deliveries to Commercial Consumers, by State, 1999-2001	33

17. Natural Gas Deliveries to Industrial Consumers, by State, 1999-2001.....	37
18. Natural Gas Deliveries to Electric Utility Consumers, by State, 1999-2001.....	41
19. Natural Gas Deliveries to All Consumers, by State, 1999-2001.....	45
20. Average City Gate Price, by State, 1999-2001.....	49
21. Average Price of Natural Gas Delivered to Residential Consumers, by State, 1999-2001.....	52
22. Average Price of Natural Gas Sold to Commercial Consumers, by State, 1999-2001	55
23. Average Price of Natural Gas Sold to Industrial Consumers, by State, 1999-2001	58
24. Average Price of Natural Gas Delivered to Electric Utility Consumers, by State, 1999-2001.....	61
25. Percentage of Total Deliveries Represented by Onsystem Sales, by State, 1999-2001.....	64
A1. Methodology for Reporting Initial Monthly Natural Gas Supply and Disposition Data.....	71
C1. Standard Error for Natural Gas Deliveries and Price to Consumers by State, July 2001	88

Figures

1. Production and Consumption of Natural Gas in the United States, 1998-2002	7
2. Natural Gas Deliveries to Consumers in the United States, 1997-2001	9
3. Average Price of Natural Gas Delivered to Consumers in the United States, 1997-2001	11
4. Average Price of Natural Gas in the United States, 1997-2001	11
5. Working Gas in Underground Natural Gas Storage in the United States, 1998-2001	20
6. Percentage of Total Deliveries Represented by Onsystem Sales, 1997-2001	70

Highlights

This issue of the *Natural Gas Monthly* contains estimates of natural gas data through October 2001 for many data series at the national level. National-level natural gas prices are available through June 2001 (electric utilities), July (residential, commercial, and industrial), and September (wellhead). State-level data generally are available through July 2001, although underground storage data are available through August 2001.

Recent analyses of the natural gas industry are available on the EIA web site, under "Featured Topics" to the right side of the home page. The first two reports listed below are updated regularly, while the third is a one-time report that was released in October 2001. These reports are:

Natural Gas Weekly Update - a current analysis of the industry each week, including information on natural gas spot and futures prices and storage activities. This page also provides links to numerous other EIA sites dealing with natural gas.

Short Term Energy Outlook - projections of energy consumption, supply, and price by type of fuel, including natural gas, for the next 18 months.

Natural Gas Transportation - Infrastructure Issues and Operational Trends - examines how well the current national natural gas pipeline network has been able to handle today's market demand for natural gas. In addition, it identifies those areas of the country where pipeline utilization is continuing to grow rapidly and where new pipeline capacity is needed or is planned over the next several years.

Other natural gas data and analyses may be found through the "Natural Gas" section of EIA's web site. In the center section of the home page, the user should place the cursor on "By Fuel," then click on "Natural Gas" in the drop-down menu.

Table 1. Summary of Natural Gas Production in the United States, 1995-2001
(Billion Cubic Feet)

Year and Month	Gross Withdrawals	Repressuring	Nonhydrocarbon Gases Removed ^a	Vented and Flared	Marketed Production (Wet)	Extraction Loss ^b	Dry Gas Production ^c
1995 Total	23,744	3,565	388	284	19,506	908	18,599
1996 Total	24,114	3,511	518	272	19,812	958	18,854
1997 Total	24,213	3,492	599	256	19,866	964	18,902
1998 Total	23,924	3,433	611	234	19,646	938	18,708
1999							
January	2,064	296	54	21	1,693	84	1,609
February	1,878	280	49	19	1,531	76	1,455
March	2,070	298	51	20	1,701	84	1,616
April	1,964	274	50	20	1,620	80	1,540
May	1,984	255	53	20	1,657	82	1,574
June	1,945	262	48	20	1,615	80	1,535
July	1,988	253	52	21	1,663	83	1,580
August	1,984	263	50	21	1,651	82	1,569
September	1,931	265	50	23	1,594	79	1,515
October	2,012	286	53	21	1,653	82	1,571
November	1,953	282	49	20	1,601	79	1,522
December	1,982	293	52	20	1,618	80	1,537
Total	23,755	3,305	610	245	19,596	973	18,623
2000							
January	E2,065	E313	E54	E23	E1,675	E83	E1,592
February	E1,935	E298	E45	E21	E1,571	E78	E1,493
March	E2,083	E301	E45	E23	E1,715	E85	E1,630
April	E2,007	E305	E46	E22	E1,634	E81	E1,553
May	E2,066	E304	E46	E22	E1,694	E84	E1,610
June	E1,989	E274	E45	E22	E1,648	E82	E1,566
July	E2,044	E275	E46	E22	E1,701	E85	E1,616
August	E2,058	E277	E46	E23	E1,711	E85	E1,626
September	E1,977	E270	E45	E22	E1,640	E82	E1,558
October	E2,097	E308	E47	E23	E1,719	E85	E1,634
November	E2,045	E304	E48	E23	E1,671	E83	E1,588
December	E2,113	E316	E50	E24	E1,723	E86	E1,638
Total	E24,479	E3,543	E564	E270	E20,102	E999	E19,103
2001							
January	RE2,130	RE316	RE44	RE25	RE1,746	RE87	RE1,659
February	E1,926	E288	E41	E22	E1,576	E78	E1,498
March	RE2,154	E334	RE44	RE25	RE1,750	RE87	RE1,663
April	RE2,057	RE305	RE42	RE24	RE1,686	RE84	RE1,602
May	RE2,087	RE299	RE41	E23	RE1,724	E86	RE1,639
June	RE1,990	RE282	RE42	E22	RE1,644	RE82	RE1,563
July	RE2,074	RE300	RE42	E23	E1,709	E85	E1,624
August	E2,074	E297	E42	E23	E1,712	E85	E1,627
September(STIFS)	NA	NA	NA	NA	E1,665	E82	E1,583
October(STIFS)	NA	NA	NA	NA	E1,729	E85	E1,644
2001 YTD	NA	NA	NA	NA	E16,941	E841	E16,100
2000 YTD	E20,321	E2,923	E467	E223	E16,708	E830	E15,878
1999 YTD	19,821	2,730	509	205	16,377	813	15,564

^a See Appendix A, Explanatory Note 1, for a discussion of data on Nonhydrocarbon Gases Removed.

^b Extraction loss is collected only on an annual basis. Monthly extraction loss is estimated from monthly marketed production by assuming that the preceding annual percentage remains constant for the next twelve months.

^c Equal to marketed production (wet) minus extraction loss.

E Estimated Data.

RE Revised Estimated Data.

NA Not Available.

Notes: Data for 1995 through 1999 are final. All other data are preliminary

unless otherwise indicated and contain estimates for selected States (see Table 7). Estimates for the most recent two months are derived from the Short-Term Integrated Forecasting System (STIFS). Geographic coverage is the 50 States and the District of Columbia. Totals may not equal sum of components because of independent rounding.

Sources: 1995-1999: Energy Information Administration (EIA), *Natural Gas Annual* 1999. January 2000 through current month: Form EIA-895, "Monthly Quantity and Value of Natural Gas Report," STIFS, and EIA estimates. See Appendix A, Explanatory Notes 1, 3, and 6, for discussion of computation and estimation procedures and revision policies.

Table 2

Table 2. Supply and Disposition of Dry Natural Gas in the United States, 1995-2001
(Billion Cubic Feet)

Year and Month	Dry Gas Production	Supplemental Gaseous Fuels ^a	Net Imports	Net Storage Withdrawals ^b	Balancing Item ^c	Consumption ^d
1995 Total	18,599	110	2,687	415	-230	21,581
1996 Total	18,854	109	2,784	2	217	21,967
1997 Total	18,902	103	2,837	24	92	21,959
1998 Total	18,708	102	2,993	-530	-11	21,262
1999						
January	1,609	10	298	659	-35	2,542
February	1,455	8	273	339	61	2,137
March	1,616	9	286	314	-46	2,178
April	1,540	8	258	-96	87	1,797
May	1,574	8	277	-358	11	1,513
June	1,535	6	268	-327	-49	1,433
July	1,580	8	283	-231	-103	1,536
August	1,569	8	299	-236	-60	1,580
September	1,515	7	290	-335	-12	1,464
October	1,571	8	294	-165	-124	1,584
November	1,522	8	287	34	-130	1,721
December	1,537	10	308	573	-216	2,212
Total	18,623	98	3,422	171	-612	21,703
2000						
January	€1,592	€10	308	780	-161	2,529
February	€1,493	€9	279	454	124	2,358
March	€1,630	€8	286	162	-9	2,077
April	€1,553	€7	277	-36	2	1,803
May	€1,610	€7	268	-232	€-1	€1,652
June	€1,566	€6	280	-272	-52	1,528
July	€1,616	€8	303	-290	-89	1,547
August	€1,626	€8	298	-193	-64	1,675
September	€1,558	€7	284	-282	-70	1,498
October	€1,634	€8	301	-227	-125	1,591
November	€1,588	€9	305	293	-276	1,918
December	€1,638	€10	349	690	€-93	€2,593
Total	€19,103	€98	3,538	845	€-815	€22,768
2001						
January	RE1,659	€10	€346	467	€170	2,650
February	€1,498	€8	301	338	€157	€2,302
March	RE1,663	€9	€325	181	€43	€2,220
April	RE1,602	€7	€296	-276	€147	€1,776
May	RE1,639	€6	€299	-448	€-5	€1,492
June	RE1,563	€6	€297	-422	€-70	€1,373
July	€1,624	€8	€320	-376	€-94	1,482
August	€1,627	€7	€329	-305	€-92	€1,565
September(STIFS)	€1,583	€8	€288	€-390	€-12	€1,477
October(STIFS)	€1,644	€9	€293	€-154	€-297	€1,495
2001 YTD	€16,100	€77	€3,094	€-1,387	€-53	€17,832
2000 YTD	€45,878	€79	2,884	-137	-446	18,257
1999 YTD	15,564	80	2,828	-436	-272	17,764

^a Supplemental gaseous fuels data are collected only on an annual basis except for the Dakota Gasification Inc. coal gasification facility which provides data each month. The ratio of annual supplemental fuels (excluding Dakota Gasification Inc.) to the sum of dry gas production, net imports, and net withdrawals from storage is calculated. This ratio is applied to the monthly sum of these three elements. The Dakota Gasification Inc. monthly value is added to the result to produce the monthly supplemental fuels estimate.

^b Monthly and annual data for 1995 through 1999 include underground storage and liquefied natural gas storage. Data for January 2000 forward include underground storage only. See Appendix A, Explanatory Note 7 for discussion of computation procedures.

^c Represents quantities lost and imbalances in data due to differences among data sources. See Appendix A, Explanatory Note 9, for full discussion.

^d Consists of pipeline fuel use, lease and plant fuel use, vehicle fuel, and

deliveries to consuming sectors as shown in Table 3.

^R Revised Data.

^E Estimated Data.

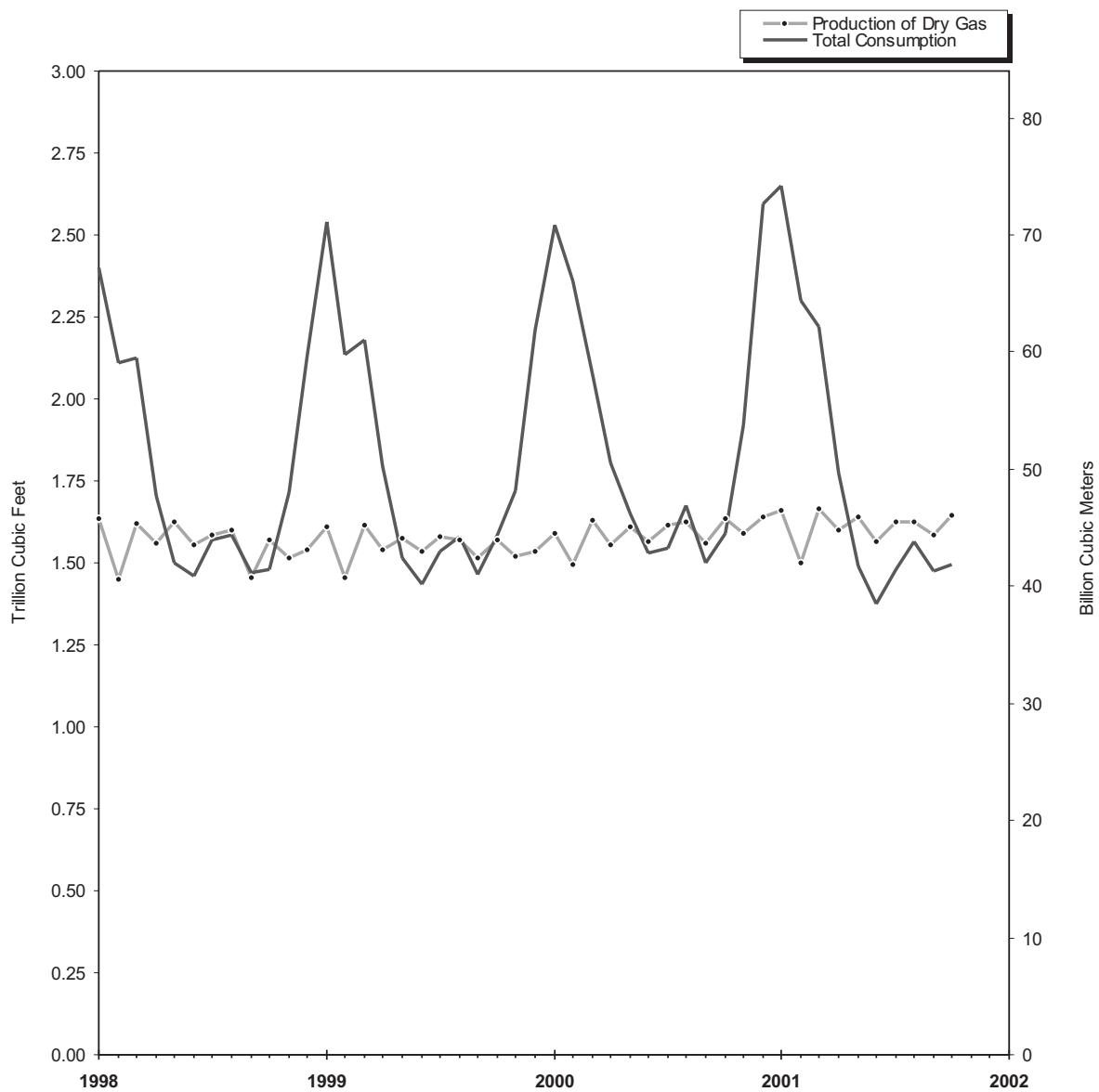
^{RE} Revised Estimated Data.

Notes: Data for 1995 through 1999 are final. All other data are preliminary unless otherwise indicated. Estimates for the most recent two months are derived from the Short-Term Integrated Forecasting System (STIFS). Geographic coverage is the 50 States and the District of Columbia. Totals may not equal sum of components because of independent rounding.

Sources: 1995-1999: Energy Information Administration (EIA), *Natural Gas Annual* 1999. January 2000 through current month: EIA, Form EIA-895, Form EIA-857, Form EIA-191, EIA computations and estimates, Short-Term Integrated Forecasting System (STIFS) computations, and Office of Fossil Energy, "Natural Gas Imports and Exports." See Appendix A for discussion of computation and estimation procedures and revision policies.

Figure 1

Figure 1. Production and Consumption of Natural Gas in the United States, 1998-2001



Source: Table 2.

Table 3

Table 3. Natural Gas Consumption in the United States, 1995-2001
(Billion Cubic Feet)

Year and Month	Lease and Plant Fuel ^a	Pipeline Fuel ^b	Delivered to Consumers					Total Consumption
			Residential	Commercial ^c	Industrial	Electric Utilities	Total	
1995 Total	1,220	700	4,850	3,034	8,580	3,197	19,660	21,581
1996 Total	1,250	711	5,241	3,161	8,870	2,732	20,006	21,967
1997 Total	1,203	751	4,984	3,219	8,832	2,968	20,004	21,959
1998 Total	1,157	635	4,520	3,005	8,686	3,258	19,469	21,262
1999								
January	93	87	911	477	797	176	2,361	2,542
February	85	73	690	401	739	149	1,979	2,137
March	94	74	669	390	747	204	2,010	2,178
April	89	61	420	260	713	254	1,647	1,797
May	90	51	235	177	690	270	1,372	1,513
June	88	48	158	144	673	322	1,297	1,433
July	91	52	127	133	701	434	1,394	1,536
August	90	53	116	137	750	432	1,436	1,580
September	88	49	135	138	772	283	1,327	1,464
October	91	53	234	181	785	240	1,440	1,584
November	88	58	372	246	785	172	1,574	1,721
December	90	76	660	363	849	176	2,047	2,212
Total	1,077	735	4,726	3,050	9,001	3,113	19,890	21,703
2000								
January	E92	86	860	459	843	190	2,352	2,529
February	E86	80	778	433	814	167	2,192	2,358
March	E94	70	549	363	792	208	1,912	2,077
April	E90	61	400	263	775	215	1,652	1,803
May	E93	56	229	185	779	309	R1,503	R1,652
June	E91	52	154	152	772	307	1,385	1,528
July	E94	52	127	142	759	373	1,401	1,547
August	E94	57	121	155	837	410	1,524	1,675
September	E90	51	140	153	780	284	1,357	1,498
October	E95	54	234	186	810	213	1,442	1,591
November	E92	65	480	294	807	180	1,761	1,918
December	E95	88	905	R477	842	187	R2,411	R2,593
Total	E1,106	771	4,976	R3,263	9,610	3,043	R20,892	R22,768
2001								
January	E96	90	987	528	793	157	2,465	2,650
February	E87	78	F791	R452	751	143	R2,137	R2,302
March	E96	75	690	R396	791	171	R2,049	R2,220
April	RE93	60	410	274	R728	211	R1,623	R1,776
May	RE95	51	214	200	697	235	R1,346	R1,492
June	RE90	R46	150	169	R656	261	R1,236	R1,373
July	E94	50	126	156	700	355	1,338	1,482
August(STIFS)	R93	R51	R112	R146	R808	NA	R1,421	R1,565
September(STIFS)	RE90	RE48	RE129	RE148	RE805	NA	RE1,339	RE1,477
October(STIFS)	E95	E52	E205	E158	E799	NA	E1,348	E1,495
2001 YTD^d	929	601	3,816	2,627	7,528	1,532	16,301	17,832
2000 YTD^d	919	618	3,591	2,492	7,961	1,769	16,720	18,257
1999 YTD^d	899	601	3,694	2,436	7,368	1,810	16,263	17,764

^a Plant fuel data and monthly lease fuel data are collected only annually. Monthly lease and plant fuel use is estimated from monthly marketed production by assuming that the preceding annual percentage remains constant for the next twelve months.

^b Pipeline fuel use is collected only on an annual basis. Monthly pipeline fuel data are estimated from monthly total consumption(excluding pipeline fuel) by assuming that the preceding annual percentage remains constant for the next twelve months.

^c Deliveries to Commercial consumers for 1995-1999 include vehicle fuel deliveries, which totaled, in billion cubic feet, 2.7 in 1995, 2.9 in 1996, 4.4 in 1997, 5.1 in 1998, and 5.7 in 1999.

^d Year-to-date volume represents months for which volume information is available in the current year.

R Revised Data.

E Estimated Data.

RE Revised Estimated Data.

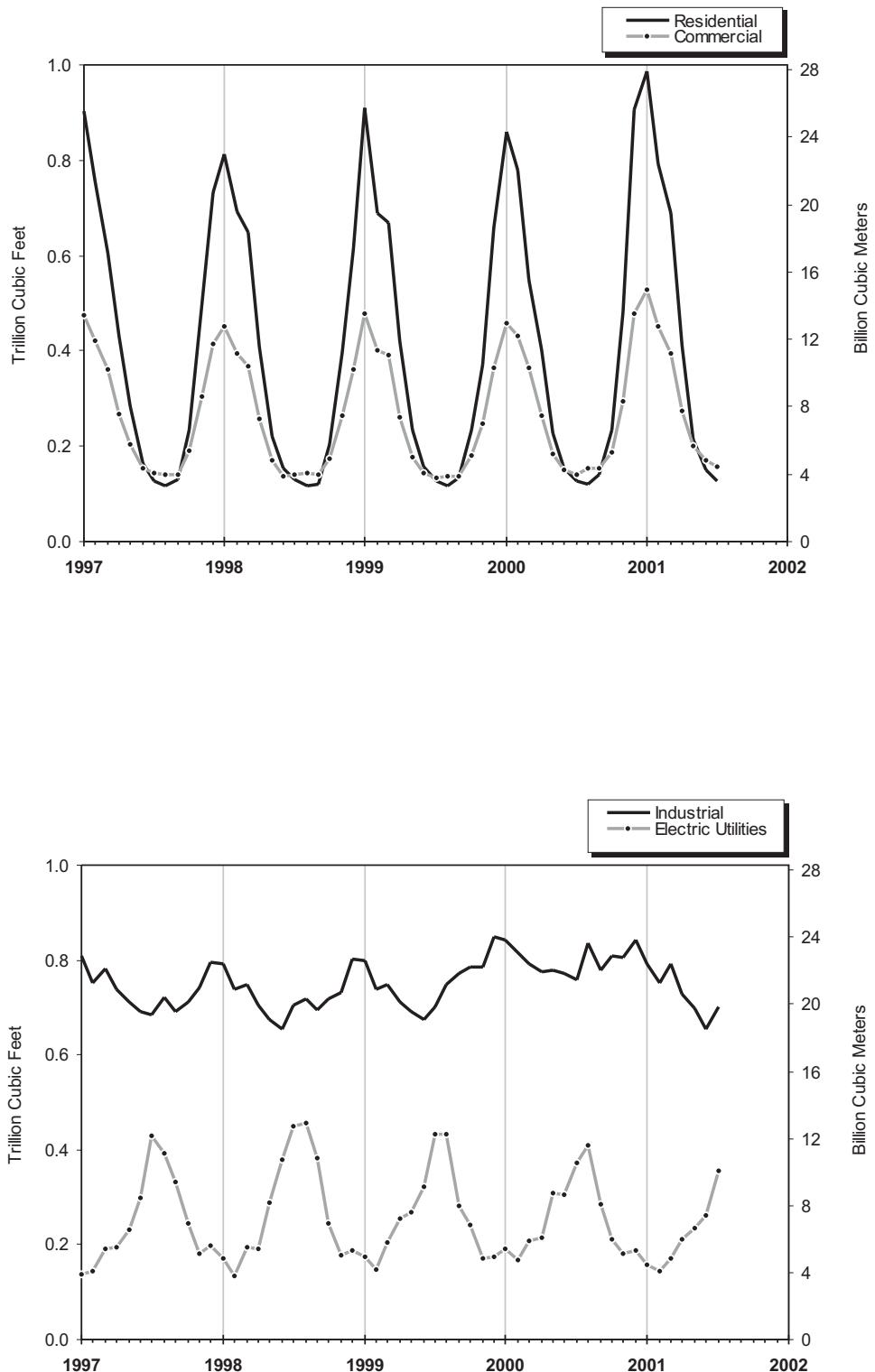
NA Not Available.

Notes: Data for 1995 through 1999 are final. All other data are preliminary unless otherwise indicated. Estimates for the most recent three months are derived from the Short-Term Integrated Forecasting System (STIFS). Geographic coverage is the 50 States and the District of Columbia. Totals may not equal sum of components because of independent rounding. Beginning in 1996, consumption of natural gas for agricultural use was classified as industrial use. In 1995 and earlier years, agricultural use was classified as commercial use. See Explanatory Note 5 for further explanation.

Sources: 1995-1999: Energy Information Administration (EIA): Form EIA-895 "Monthly Quantity and Value of Natural Gas Report," Form EIA-857, "Monthly Report of Natural Gas Purchases and Deliveries to Consumers," Form EIA-759, "Monthly Power Plant Report," EIA computations, and *Natural Gas Annual* 1999. January 2000 through the current month: EIA: Form EIA-895, Form EIA-857, Form EIA-759, and STIFS computations. See Appendix A, Explanatory Note 5, for computation procedures and revision policy.

Figure 2

Figure 2. Natural Gas Deliveries to Consumers in the United States, 1997-2001



Source: Table 3.

Table 4

Table 4. Selected National Average Natural Gas Prices, 1995-2001

(Dollars per Thousand Cubic Feet)

Year and Month	Wellhead Price ^a	City Gate Price	Delivered to Consumers						Electric Utilities Price	
			Residential Price	Commercial		Industrial				
				Price	% of Total ^b	Price	% of Total ^b			
1995 Annual Average	1.55	2.78	6.06	5.05	76.7	2.71	24.5	2.02		
1996 Annual Average	2.17	3.34	6.34	5.40	77.6	3.42	19.4	2.69		
1997 Annual Average	2.32	3.66	6.94	5.80	70.8	3.59	18.1	2.78		
1998 Annual Average	1.94	3.07	6.82	5.48	67.0	3.14	16.1	2.40		
1999										
January	1.84	2.87	6.00	5.19	73.1	3.29	16.9	2.32		
February	1.75	2.93	6.29	5.28	69.7	2.92	16.8	2.26		
March	1.68	2.69	6.06	4.97	69.3	2.95	17.4	2.15		
April	1.86	2.94	6.44	5.32	65.4	3.00	16.6	2.29		
May	2.16	3.41	7.30	5.34	61.1	2.86	16.0	2.57		
June	2.12	3.28	8.20	5.29	61.1	2.81	15.8	2.53		
July	2.18	3.23	8.83	5.44	58.2	2.86	15.7	2.58		
August	2.49	3.53	9.14	5.46	56.6	2.99	18.8	2.86		
September	2.61	3.72	8.63	5.55	60.0	3.41	17.5	2.98		
October	2.50	3.31	7.56	5.46	61.7	3.20	17.5	2.83		
November	2.67	3.76	7.15	5.72	63.0	3.51	17.7	3.01		
December	2.20	3.24	6.51	5.56	67.6	3.05	21.3	2.68		
Annual Average	2.17	3.16	6.69	5.33	66.2	3.10	17.4	2.62		
2000										
January	€2.12	3.30	6.32	5.55	67.0	3.46	16.0	2.74		
February	€2.30	3.50	6.55	5.68	68.4	3.69	16.6	2.96		
March	€2.36	3.54	6.85	5.33	65.7	3.59	16.2	3.00		
April	€2.55	3.70	7.11	5.63	63.3	3.67	15.7	3.23		
May	€2.90	4.15	8.08	€5.47	€64.1	3.69	14.3	3.63		
June	€3.73	5.17	9.29	5.82	61.3	4.24	15.2	4.45		
July	€3.70	5.15	10.19	5.88	60.8	4.61	14.8	4.35		
August	€3.67	4.59	10.22	5.42	62.3	4.40	14.2	4.27		
September	€4.26	5.17	9.94	6.18	60.9	4.91	14.2	4.85		
October	€4.61	5.64	9.43	6.92	62.4	5.32	14.0	5.17		
November	€4.62	5.20	8.60	7.24	64.9	5.39	17.9	5.37		
December	€6.35	6.81	8.59	7.90	68.4	6.49	18.4	8.23		
Annual Average	€3.60	4.65	7.72	6.18	€65.2	4.50	15.6	4.33		
2001										
January	€8.06	8.90	10.04	9.34	68.9	8.68	15.8	9.47		
February	€5.84	€7.25	€10.32	9.66	67.0	€7.28	15.6	€6.85		
March	€5.15	6.19	9.86	8.98	66.0	6.35	14.4	5.69		
April	€5.21	€6.44	€10.10	€8.83	63.3	6.13	13.8	5.70		
May	€4.56	5.89	11.04	€8.39	55.8	5.41	12.0	5.14		
June	€3.88	5.36	€11.51	6.82	61.2	€4.75	€12.4	4.51		
July	€3.39	4.13	11.00	6.91	53.5	4.26	12.1	NA		
August	€3.23	NA	NA	NA	NA	NA	NA	NA		
September	€2.55	NA	NA	NA	NA	NA	NA	NA		
2001 YTD^c	€4.65	6.89	10.24	8.87	64.4	6.34	13.8	5.93		
2000 YTD^c	€3.07	3.82	7.01	5.58	65.4	3.83	15.6	3.45		
1999 YTD^c	2.08	2.96	6.44	5.21	67.7	2.97	16.5	2.38		

^a See Appendix A, Explanatory Note 8, for discussion of wellhead prices.

^b Percentage of total deliveries represented by onsystem sales, see Figure 6. See Table 25 for State data.

^c Year-to-date price represents months for which price information is available in the current year. The wellhead year-to-date price is 2 months ahead of the city gate, residential, commercial, and industrial year-to-date prices. The electric utility year-to-date price is 1 month behind the city gate, residential, commercial, and industrial year-to-date prices.

^R Revised Data.

^E Estimated Data.

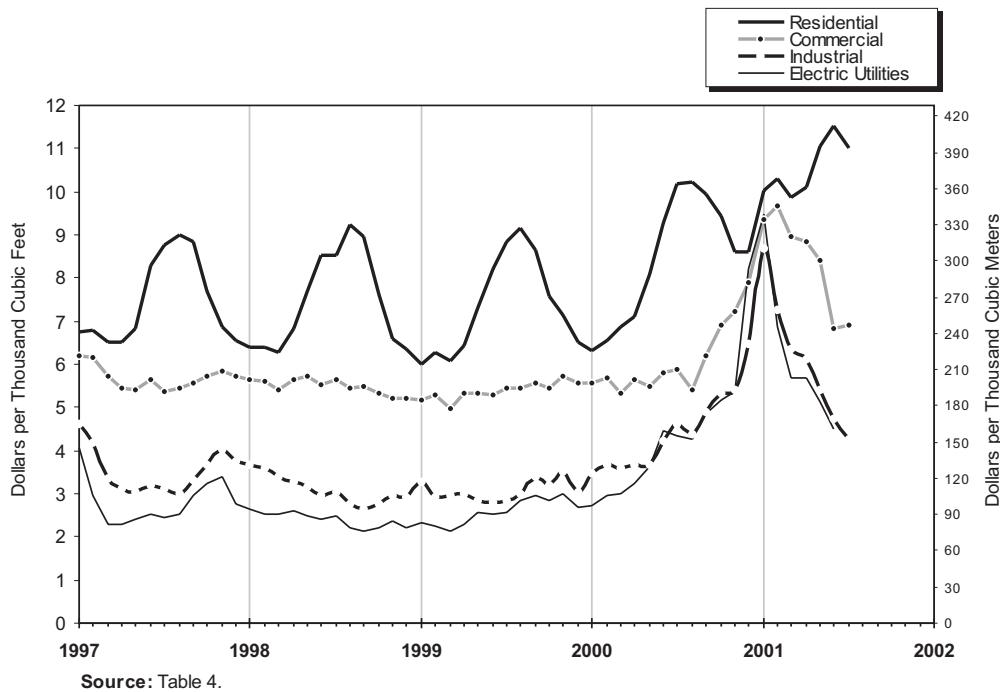
NA Not Available.

Notes: Data for 1995 through 1999 are final. All other data are preliminary unless otherwise indicated. Geographic coverage is the 50 States and the District of Columbia. In 1996, consumption of natural gas for agricultural use was classified as industrial use. In 1995 and earlier years, agricultural use was classified as commercial use. See Explanatory Note 5 for further explanation.

Sources: 1995-1999: Energy Information Administration (EIA) *Natural Gas Annual 1999*. January 2000 through current month: EIA-857, "Monthly Report of Natural Gas Purchases and Deliveries to Consumers," Form FERC-423, "Monthly Report of Cost and Quality of Fuels for Electric Plants," and EIA estimates. See Appendix A, Explanatory Note 8 for estimation procedures and revision policy.

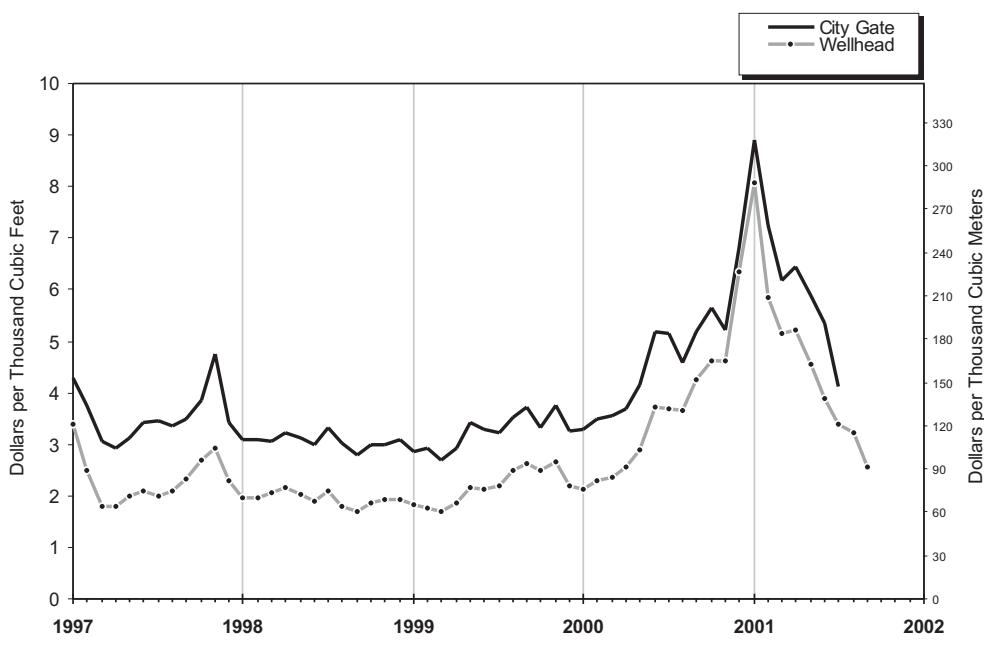
Figures 3 and 4

Figure 3. Average Price of Natural Gas Delivered to Consumers in the U.S., 1997-2001



Source: Table 4.

Figure 4. Average Price of Natural Gas in the United States, 1997-2001



Source: Table 4.

Table 5

Table 5. U.S. Natural Gas Imports, by Country, 1995-2001

(Volumes in Million Cubic Feet, Prices in Dollars per Thousand Cubic Feet)

Year and Month	Pipeline				LNG					
	Canada		Mexico		Algeria		Australia		Nigeria	
	Volume	Average Price	Volume	Average Price	Volume	Average Price	Volume	Average Price	Volume	Average Price
1995 Total	2,816,408	1.48	6,722	1.53	17,918	2.30	0	—	0	—
1996 Total	2,883,277	1.96	13,862	2.25	35,325	2.70	0	—	0	—
1997 Total	2,899,152	2.15	17,243	2.31	65,675	2.67	9,686	2.92	0	—
1998 Total	3,052,073	1.95	14,532	2.03	68,567	2.51	11,634	3.30	0	—
1999										
January	292,833	2.02	4,891	1.74	13,066	2.42	0	—	0	—
February	269,126	1.90	4,398	1.69	7,684	2.51	2,557	3.55	0	—
March	287,769	1.77	751	1.60	13,090	2.44	0	—	0	—
April	257,065	1.83	4,193	2.02	7,637	2.35	0	—	0	—
May	275,219	2.18	6,844	1.94	3,898	2.13	0	—	0	—
June	260,240	2.13	4,978	2.12	2,528	2.17	2,314	2.33	0	—
July	278,424	2.17	3,877	2.21	5,134	2.18	0	—	0	—
August	288,717	2.39	6,028	2.61	2,554	2.17	2,302	2.37	0	—
September	280,798	2.64	4,643	2.39	7,593	2.49	0	—	0	—
October	287,177	2.50	4,168	2.49	5,118	2.48	2,309	2.42	0	—
November	284,514	2.85	6,463	2.31	2,440	2.85	0	—	0	—
December	305,663	2.32	3,296	2.08	5,021	2.51	2,422	2.76	0	—
Total	3,367,545	2.23	54,530	2.14	75,763	2.41	11,904	2.70	0	—
2000										
January	310,181	2.42	2,911	2.30	5,026	2.61	0	—	0	—
February	289,222	2.57	730	2.50	4,987	3.76	0	—	0	—
March	291,469	2.60	316	2.60	3,990	2.49	0	—	0	—
April	273,881	2.85	756	2.97	2,566	2.72	2,274	3.21	0	—
May	274,616	3.05	0	—	2,453	3.13	0	—	0	—
June	278,529	3.89	0	—	2,529	3.53	0	—	2,488	4.14
July	293,353	3.99	27	4.01	2,562	3.40	2,285	3.26	2,496	4.86
August	295,355	3.65	10	4.64	2,370	3.87	0	—	2,510	3.56
September	282,921	4.19	209	5.00	2,556	4.11	1,270	3.28	2,658	3.52
October	296,022	5.27	1,115	5.17	7,570	3.46	0	—	2,503	5.80
November	309,337	4.94	1,231	5.61	2,552	3.98	116	3.44	0	—
December	349,079	7.47	4,297	8.73	7,786	4.29	0	—	0	—
Total	3,543,966	3.97	11,601	5.43	46,947	3.48	5,945	3.25	12,654	4.37
2001										
January	®352,107	®9.64	2,416	7.98	5,020	®4.05	0	—	2,478	®10.79
February	®305,715	6.49	1,139	5.45	7,658	®5.52	0	—	5,068	®6.25
March	®334,321	5.42	1,482	4.89	7,606	®5.87	0	—	2,535	®9.05
April	®295,353	®5.40	®2,102	®5.11	®5,009	®3.88	0	—	®4,822	®5.42
May	®300,954	®5.02	®0	—	®7,572	®3.58	0	—	®5,067	®5.43
June	®296,209	®3.92	®0	—	®2,521	®2.64	0	—	®7,547	®4.92
July	®323,225	NA	®1,482	NA	7,754	NA	2,285	NA	2,496	NA
August	®328,730	NA	®1,482	NA	5,058	NA	0	—	5,095	NA
2001 YTD	®2,536,614	NA	®10,102	NA	48,197	NA	2,285	NA	35,107	NA
2000 YTD	2,306,607	3.12	4,749	2.47	26,483	3.14	4,559	3.24	7,493	4.19
1999 YTD	2,209,393	2.05	35,960	2.05	55,591	2.36	7,173	2.78	0	—

See footnotes at end of table.

Table 5. U.S. Natural Gas Imports, by Country, 1995-2001

(Volumes in Million Cubic Feet, Prices in Dollars per Thousand Cubic Feet) — Continued

Year and Month	LNG								Total	
	Qatar		Trinidad		United Arab Emirates		Other		Volume	Average Price
	Volume	Average Price	Volume	Average Price	Volume	Average Price	Volume	Average Price		
1995 Total	0	—	0	—	0	—	0	—	2,841,048	1.49
1996 Total	0	—	0	—	4,949	3.46	0	—	2,937,413	1.97
1997 Total	0	—	0	—	2,417	3.74	0	—	2,994,173	2.17
1998 Total	0	—	0	—	5,252	2.63	0	—	3,152,058	1.97
1999										
January	0	—	0	—	0	—	0	—	310,790	2.03
February	2,647	2.72	0	—	0	—	0	—	286,412	1.93
March	0	—	0	—	0	—	0	—	301,610	1.80
April	2,492	1.91	0	—	0	—	0	—	271,387	1.85
May	0	—	5,493	1.88	0	—	0	—	291,454	2.17
June	2,417	1.94	6,619	2.08	0	—	0	—	279,096	2.13
July	2,388	2.61	6,599	2.11	0	—	0	—	296,422	2.18
August	0	—	9,904	2.33	0	—	^2,576	2.36	312,081	2.39
September	4,987	2.74	4,393	2.55	0	—	0	—	302,414	2.63
October	0	—	5,865	2.57	0	—	0	—	304,637	2.50
November	2,374	3.45	6,648	2.85	2,713	3.03	0	—	305,152	2.85
December	2,392	3.59	5,256	2.83	0	—	0	—	324,050	2.34
Total	19,697	2.71	50,777	2.39	2,713	3.03	^2,576	2.36	3,585,505	2.24
2000										
January	0	—	7,780	3.01	0	—	0	—	325,897	2.44
February	0	—	5,168	2.91	0	—	0	—	300,107	2.60
March	2,428	2.79	8,393	2.89	0	—	0	—	306,596	2.61
April	7,254	2.71	7,285	3.05	0	—	0	—	294,016	2.86
May	0	—	10,723	3.05	0	—	0	—	287,793	3.05
June	2,385	2.76	7,390	3.48	2,725	3.53	0	—	296,046	3.87
July	4,793	3.97	14,307	3.30	0	—	^b2,464	2.86	322,285	3.94
August	7,167	3.15	8,435	3.30	0	—	^b2,461	2.86	318,308	3.62
September	7,625	3.97	4,864	2.98	0	—	^b2,740	4.20	304,843	4.15
October	7,165	4.14	7,392	3.65	0	—	^c2,760	3.99	324,527	5.16
November	7,241	3.32	6,950	3.85	0	—	^b2,333	3.44	329,759	4.86
December	0	—	10,262	5.14	0	—	0	—	371,425	7.35
Total	46,057	3.44	98,949	3.43	2,725	3.53	12,758	3.50	3,781,603	3.95
2001										
January	0	—	9,215	^R6.81	0	—	0	—	^R371,235	^R9.49
February	0	—	6,635	^R4.78	0	—	^b2,738	^R8.70	^R328,953	6.44
March	2,400	3.17	9,221	^R4.55	0	—	0	—	^R357,566	^R5.42
April	2,452	^R6.60	^R8,028	^R4.26	0	—	^b1,702	^R4.65	^R319,468	^R5.35
May	4,975	^R4.47	^R9,530	^R4.15	0	—	0	—	^R328,098	^R4.96
June	^R3,076	^R5.82	10,407	^R3.77	0	—	^Rb1,616	^R3.99	^R321,377	^R3.95
July	2,487	NA	6,701	NA	0	—	0	—	^RE346,428	NA
August	2,852	NA	7,520	NA	0	—	^b1,611	NA	^E352,346	NA
2001 YTD	18,243	NA	67,256	NA	0	—	7,667	NA	E2,725,471	NA
2000 YTD	24,026	3.11	69,481	3.14	2,725	3.53	4,925	2.86	2,451,048	3.13
1999 YTD	9,944	2.30	28,615	2.14	0	—	2,576	2.36	2,349,252	2.06

^a Received from Malaysia.^b Received from Oman.^c Received from Indonesia.^R Revised Data.^E Estimated Data.^{RE} Revised Estimated Data.^{NA} Not Available.

— Not Applicable.

Sources: January 1995 through the current month (except estimates): Office of Fossil Energy, U.S. Department of Energy, *Natural Gas Imports and Exports*. Estimated pipeline data are taken from data from the National Energy Board of Canada plus EIA estimates. LNG data: Industry reports.

Table 6

Table 6. U.S. Natural Gas Exports, by Country, 1995-2001

(Volumes in Million Cubic Feet, Prices in Dollars per Thousand Cubic Feet)

Year and Month	Pipeline				LNG				Total	
	Canada		Mexico		Japan		Mexico		Volume	Average Price
	Volume	Average Price	Volume	Average Price	Volume	Average Price	Volume	Average Price		
1995 Total	27,554	1.96	61,283	1.50	65,283	3.41	0	—	154,119	2.39
1996 Total	51,905	2.67	33,840	2.11	67,648	3.65	0	—	153,393	2.97
1997 Total	56,447	2.52	38,372	2.46	62,187	3.83	0	—	157,006	3.02
1998 Total	39,891	2.25	53,133	2.04	65,951	2.91	33	5.69	159,007	2.45
1999										
January	2,264	1.92	4,526	1.81	5,586	2.95	24	7.41	12,400	2.36
February	2,564	1.93	4,777	1.72	5,564	2.94	29	7.39	12,934	2.30
March	4,494	1.80	5,950	1.62	5,570	2.88	21	7.33	16,035	2.11
April	2,246	1.80	5,049	1.87	5,687	2.77	19	7.13	13,001	2.26
May	2,212	2.26	6,108	2.27	5,644	2.78	24	7.42	13,988	2.48
June	1,953	2.14	5,278	2.29	3,754	2.77	18	7.28	11,003	2.44
July	1,987	2.19	5,612	2.31	5,675	2.88	20	7.14	13,294	2.54
August	2,018	2.41	5,398	2.70	5,643	3.11	20	7.36	13,079	2.84
September	1,959	2.80	5,267	2.89	5,605	3.23	21	7.26	12,852	3.03
October	2,339	2.63	4,086	2.68	3,723	3.28	13	7.07	10,161	2.89
November	8,018	2.95	5,001	2.89	5,579	3.56	30	5.85	18,628	3.12
December	6,454	2.39	3,973	2.28	5,577	3.81	36	5.82	16,040	2.86
Total	38,508	2.35	61,025	2.27	63,607	3.08	275	6.95	163,415	2.61
2000										
January	6,234	2.50	5,937	2.39	5,569	4.04	36	5.82	17,776	2.95
February	9,017	2.70	6,394	2.62	5,566	4.08	37	5.82	21,015	3.05
March	9,051	2.74	7,641	2.70	3,769	4.18	45	5.82	20,505	3.00
April	3,093	2.86	8,222	2.94	5,670	4.25	30	5.82	17,015	3.37
May	3,732	3.15	10,338	3.23	5,709	4.27	31	5.82	19,810	3.52
June	3,742	4.11	8,714	4.30	3,763	4.34	30	5.82	16,249	4.27
July	3,762	4.37	10,157	4.52	5,597	4.36	29	5.82	19,546	4.45
August	3,900	3.90	11,248	4.16	5,598	4.22	29	5.82	20,775	4.13
September	4,682	4.76	10,265	5.07	5,592	4.37	28	5.82	20,568	4.81
October	5,327	5.26	10,197	5.31	7,512	4.51	35	5.82	23,070	5.04
November	9,877	3.97	9,154	4.78	5,686	4.49	51	5.82	24,767	4.39
December	10,169	4.32	6,834	8.57	5,579	4.51	38	5.82	22,621	5.65
Total	72,586	3.66	105,102	4.26	65,610	4.31	418	5.82	243,716	4.10
2001										
January	11,818	7.07	R8,111	R10.34	5,571	4.68	47	5.82	R25,547	R7.58
February	15,796	5.44	R8,009	R7.06	3,714	4.73	42	5.82	R27,561	R5.82
March	19,691	4.48	R7,110	R6.22	5,569	4.70	42	5.82	R32,412	R4.90
April	R12,213	R5.59	R5,326	R7.10	5,594	R4.25	R34	R5.82	R23,167	R5.61
May	R13,328	R4.95	R9,940	R6.88	5,677	R4.22	R35	R5.82	R28,981	R5.47
June	R9,543	R3.96	R11,183	R5.27	3,780	R4.28	R23	R5.82	R24,529	R4.61
July	R13,835	NA	E6,834	NA	5,665	NA	NA	NA	R26,334	NA
August	E11,321	NA	E6,834	NA	5,684	NA	NA	NA	E23,840	NA
2001 YTD	E107,544	NA	E63,348	NA	41,254	NA	NA	NA	E212,370	NA
2000 YTD	42,531	3.11	68,651	3.49	41,240	4.21	267	5.82	152,690	3.58
1999 YTD	19,738	2.02	42,698	2.08	43,123	2.89	175	7.32	105,734	2.41

R Revised Data.

E Estimated Data.

RE Revised Estimated Data.

NA Not Available.

— Not Applicable.

Sources: January 1995 through the current month (except estimates): Office of Fossil Energy, U.S. Department of Energy, *Natural Gas Imports and Exports*. Estimated pipeline data are taken from data from the National Energy Board of Canada plus EIA estimates. LNG data: Industry reports.

Table 7. Marketed Production of Natural Gas, by State, 1995-2001
(Million Cubic Feet)

Year and Month	Alabama ^{a,b}	Alaska	Arizona	California	Colorado	Florida	Kansas
1995 Total	519,661	469,550	558	279,555	523,084	6,463	721,436
1996 Total	530,841	480,828	463	286,494	572,071	6,006	712,796
1997 Total	583,272	468,311	452	285,690	637,375	6,114	687,215
1998 Total	563,779	466,648	457	315,277	696,321	5,796	603,586
1999							
January	47,546	43,013	31	31,961	62,170	511	52,200
February	43,684	38,930	27	27,952	63,344	503	43,801
March	45,306	42,128	35	30,224	61,664	604	47,290
April	42,455	38,249	37	28,811	57,978	548	45,904
May	47,604	35,039	39	31,170	63,312	537	46,147
June	46,613	35,938	44	30,778	62,489	442	46,452
July	46,686	35,896	60	33,356	61,282	499	46,254
August	45,972	35,853	51	34,047	61,337	480	45,902
September	44,743	36,627	43	33,273	58,761	501	44,294
October	45,420	39,617	43	34,685	62,548	427	45,342
November	45,157	39,158	35	33,373	61,819	408	44,094
December	46,085	42,517	28	33,085	62,383	473	45,740
Total	547,271	462,967	474	382,715	739,085	5,933	553,419
2000							
January	32,259	43,584	37	31,011	E63,486	499	44,772
February	30,264	38,884	33	28,855	E60,681	480	42,199
March	31,540	39,274	26	31,351	E64,312	567	40,737
April	30,422	39,084	28	30,645	E62,013	E500	49,749
May	31,134	35,171	31	31,886	E64,061	535	43,445
June	29,595	35,120	32	29,799	E62,366	475	43,565
July	30,209	36,894	32	31,124	E63,526	528	42,591
August	30,436	38,609	33	32,702	E64,198	531	43,918
September	28,739	36,679	33	30,954	E62,063	526	40,524
October	29,825	41,958	33	32,255	E65,494	510	39,917
November	29,229	39,869	32	31,474	E65,029	448	39,559
December	29,773	43,293	24	32,831	E66,724	511	39,820
Total	363,425	468,418	375	374,888	E763,954	E6,110	510,796
2001							
January	30,460	42,459	31	32,450	E67,408	454	41,780
February	27,096	E38,318	28	29,821	E65,125	397	36,909
March	29,918	E42,727	31	32,074	E67,993	436	40,535
April	28,857	E39,572	32	30,325	E65,399	499	39,420
May	29,736	E35,882	28	32,404	E68,234	440	39,967
June	E29,275	34,653	25	31,753	E66,565	473	38,721
2001 YTD	E175,343	233,611	176	188,828	E400,725	2,699	237,333
2000 YTD	185,214	231,117	187	183,548	E376,919	E3,056	264,466
1999 YTD	273,209	233,298	214	180,896	370,956	3,146	281,794

See footnotes at end of table.

Table 7. Marketed Production of Natural Gas, by State, 1995-2001
 (Million Cubic Feet) — Continued

Year and Month	Louisianab	Michigan	Mississippi	Montana	New Mexico	North Dakota	Oklahoma
1995 Total	5,108,366	238,203	95,533	50,264	1,625,837	49,468	1,811,734
1996 Total	5,289,742	245,740	103,263	50,996	1,554,087	49,674	1,734,887
1997 Total	5,229,821	305,950	107,300	52,437	1,558,633	52,401	1,703,888
1998 Total	5,287,870	278,076	108,068	57,645	1,501,098	53,185	1,644,531
1999							
January	459,044	20,743	9,152	5,235	129,321	4,408	135,369
February	417,264	8,426	8,678	4,768	116,787	3,931	121,063
March	462,267	40,112	9,933	5,240	128,657	4,227	133,865
April	451,763	22,574	9,426	4,889	126,045	4,299	125,362
May	457,608	25,240	9,708	5,057	125,612	4,345	128,071
June	437,730	25,084	9,480	4,666	125,381	4,333	128,410
July	455,946	23,988	9,542	5,178	127,971	4,578	134,140
August	451,409	19,154	9,406	5,123	130,728	4,542	139,529
September	429,403	24,652	9,198	5,026	124,664	4,432	126,716
October	439,129	13,540	9,050	5,305	130,728	4,613	139,787
November	422,311	21,676	8,608	5,048	127,749	4,534	130,810
December	429,918	32,175	8,840	5,629	118,027	4,622	127,725
Total	5,313,794	277,364	111,021	61,163	1,511,671	52,862	1,570,847
2000							
January	448,056	22,664	8,241	5,938	119,673	4,596	140,133
February	421,148	16,043	5,386	5,544	134,734	4,114	125,666
March	457,018	33,779	7,350	5,881	143,850	4,288	140,774
April	437,983	12,800	6,785	5,610	134,231	4,270	132,645
May	454,990	26,717	7,527	4,958	140,428	4,530	136,640
June	445,393	17,497	6,938	5,470	133,164	4,316	136,635
July	460,562	30,350	7,347	5,876	138,395	4,503	138,880
August	461,278	32,904	7,571	5,836	136,354	4,329	136,532
September	440,758	24,785	7,227	5,724	134,896	4,324	131,177
October	457,368	38,261	7,958	E5,544	134,889	4,496	139,660
November	451,086	25,905	7,693	E6,054	133,496	4,167	E136,456
December	469,745	15,361	8,535	E6,528	138,971	4,467	E141,005
Total	5,405,385	297,067	88,558	E68,963	1,623,081	52,402	E1,636,203
2001							
January	467,724	27,354	8,958	E6,534	138,892	4,537	E141,360
February	428,810	13,735	7,749	E6,071	126,673	4,019	E129,640
March	474,754	29,621	8,398	E6,535	137,458	4,548	E143,530
April	459,439	20,195	9,892	E6,192	R132,246	4,564	E138,900
May	474,308	35,791	10,332	E6,122	R126,566	4,569	E143,395
June	451,891	E17,942	8,440	E5,933	E133,701	4,349	E138,768
2001 YTD	2,756,926	E144,638	53,769	E37,387	E795,536	26,587	E835,593
2000 YTD	2,664,588	129,501	42,227	33,401	806,080	26,115	812,493
1999 YTD	2,685,677	142,179	56,376	29,854	751,803	25,542	772,141

See footnotes at end of table.

Table 7. Marketed Production of Natural Gas, by State, 1995-2001
 (Million Cubic Feet) — Continued

Year and Month	Oregon	Texas ^c	Utah	Wyoming	Other ^a States	U.S. Total
1995 Total	1,923	6,330,048	241,290	673,775	759,728	19,506,474
1996 Total	1,439	6,470,620	250,767	666,036	805,491	19,812,241
1997 Total	1,173	6,453,873	257,139	738,368	736,679	19,866,093
1998 Total	1,067	6,318,754	277,340	761,313	704,742	19,645,554
1999						
January	83	526,872	23,467	68,995	73,022	1,693,142
February	84	482,797	21,141	63,372	64,209	1,530,761
March	120	528,147	23,878	69,149	67,861	1,700,709
April	111	509,507	22,076	65,885	64,148	1,620,068
May	113	526,194	22,771	63,061	65,032	1,656,660
June	111	504,194	21,828	68,120	63,027	1,615,119
July	110	524,016	21,707	66,954	64,718	1,662,881
August	74	513,844	21,493	68,293	63,445	1,650,681
September	90	499,047	19,725	68,694	64,276	1,594,165
October	124	517,242	21,610	72,965	70,415	1,652,589
November	134	495,575	21,364	70,952	68,512	1,601,317
December	138	490,218	21,554	76,691	71,915	1,617,763
Total	1,291	6,117,653	262,614	823,132	800,579	19,595,854
2000						
January	124	526,649	21,995	86,404	E75,054	E1,675,176
February	105	489,171	20,513	80,313	E66,471	E1,570,603
March	107	535,498	21,897	85,644	E71,039	E1,714,931
April	99	514,439	21,241	83,875	E67,479	E1,633,899
May	102	537,932	22,513	83,469	E68,351	E1,694,423
June	94	527,817	21,508	82,406	E65,614	E1,647,804
July	90	534,187	22,747	85,393	E67,413	E1,700,649
August	96	539,810	22,739	86,836	E66,494	E1,711,206
September	97	518,271	22,545	84,899	E65,743	E1,639,965
October	109	534,937	23,290	90,432	E72,477	E1,719,413
November	97	520,490	22,941	87,065	E69,533	E1,670,624
December	93	534,774	24,801	92,450	E73,488	E1,723,193
Total	1,214	6,313,975	268,730	1,029,185	E829,157	E20,101,885
2001						
January	E86	539,175	24,309	R96,350	E75,243	RE1,745,564
February	E78	485,370	22,368	R87,452	E66,477	RE1,576,138
March	E93	536,836	24,876	R98,696	E70,821	RE1,749,881
April	E87	523,416	24,381	RE94,933	E67,189	RE1,685,540
May	E89	539,296	R24,261	E85,035	E67,917	RE1,724,371
June	E86	508,546	E23,253	E84,245	E65,621	E1,644,241
2001 YTD	E519	3,132,639	E143,448	E546,711	E413,267	E10,125,735
2000 YTD	632	3,131,506	129,667	502,110	E414,008	E9,936,835
1999 YTD	621	3,077,711	135,161	398,582	397,298	9,816,459

^a Includes Arkansas, Illinois, Indiana, Kentucky, Maryland, Missouri, Nebraska, Nevada, New York, Ohio, Pennsylvania, South Dakota, Tennessee, Virginia and West Virginia. The 2000 and later data monthly values for these States are estimated.

^b For Alabama and Louisiana, all data for 1995 through 1999 include Federal Offshore production. For 2000 and later, Alabama data do not include Federal Offshore production, while data for Louisiana include both the Louisiana and Alabama portions of Federal Offshore Production.

^c Federal offshore production volumes are included.

^R Revised Data.

^E Estimated Data.

^{RE} Revised Estimated Data.

Notes: Data for 1995 through 1999 are final. All other data are preliminary unless otherwise indicated. Totals may not equal sum of components because of independent rounding. See Appendix A, Explanatory Notes 1 and 3 for discussion of computation procedures and revision policy.

Sources: 1995-1999: Energy Information Administration (EIA), *Natural Gas Annual 1999*. January 2000 through current month: Form EIA-895, "Monthly Quantity and Value of Natural Gas Report," Minerals Management Service reports, and EIA computations.

Table 8

Table 8. Gross Withdrawals and Marketed Production of Natural Gas by State, June 2001
 (Million Cubic Feet)

State	Gross Withdrawals			Repressuring	Nonhydro-carbon Gases Removed ^a	Vented and Flared	Marketed Production
	From Gas Wells	From Oil Wells	Total				
Alabama	\$31,728	\$501	\$32,229	\$1,027	\$1,848	\$80	\$29,275
Alaska	13,437	251,748	265,184	230,030	0	502	34,653
Arizona	25	0	25	0	0	0	25
California	8,078	26,419	34,497	2,484	174	85	31,753
Colorado	\$57,788	\$9,407	\$67,195	\$560	0	\$70	\$66,565
Florida	0	534	534	0	61	0	473
Kansas	\$35,195	\$3,631	38,826	66	0	39	38,721
Louisiana	397,661	59,780	457,441	3,588	0	1,962	451,891
Michigan	14,602	3,651	18,253	\$129	0	\$183	\$17,942
Mississippi	10,491	419	10,910	511	1,722	236	8,440
Montana	\$5,226	\$713	\$5,939	\$6	0	0	\$5,933
New Mexico	\$127,393	\$17,837	\$145,230	\$1,583	\$9,723	\$223	\$133,701
North Dakota	1,125	3,497	4,623	0	11	262	4,349
Oklahoma	\$125,450	\$13,318	\$138,768	\$0	\$0	\$0	\$138,768
Oregon	\$100	0	\$100	0	\$14	0	\$86
Texas	450,908	109,106	560,014	36,241	12,871	2,356	508,546
Utah	\$21,388	\$2,955	\$24,342	\$45	0	\$1,044	\$23,253
Wyoming	\$110,088	\$8,693	\$118,781	\$5,665	\$14,534	\$14,337	\$84,245
Other States	\$64,283	\$2,584	\$66,868	\$65	\$570	\$613	\$65,621
Total	\$1,474,967	\$514,793	\$1,989,760	\$281,998	\$41,528	\$21,992	\$1,644,241

^a See Appendix A, Explanatory Note 1, for a discussion of data on Nonhydrocarbon Gases Removed.

^e Estimated Data.

Notes: All monthly data are considered preliminary until publication of the *Natural Gas Annual* for that year. Totals may not equal sum of components

because of independent rounding. See Appendix A, Explanatory Notes 1 and 3 for discussion of computation procedures and revision policy.

Source: Form EIA-895, "Monthly Quantity and Value of Natural Gas Report."

Table 9

Table 9. Underground Natural Gas Storage - All Operators, 1995-2001

(Volumes in Billion Cubic Feet)

Year and Month	Natural Gas in Underground Storage at End of Period			Change In Working Gas from Same Period Previous Year		Storage Activity		
	Base Gas	Working Gas	Total ^b	Volume	Percent	Injections	Withdrawals	Net Withdrawals ^c
1995 Total ^a	4,349	2,153	6,503	-453	-17.4	2,566	2,974	408
1996 Total ^a	4,341	2,173	6,513	19	0.9	2,906	2,911	6
1997 Total ^a	4,350	2,175	6,525	2	0.1	2,800	2,824	24
1998 Total ^a	4,326	2,730	7,056	554	25.5	2,905	2,379	-526
1999								
January	4,332	2,073	6,404	361	21.1	58	682	624
February	4,329	1,746	6,075	319	22.4	63	385	321
March	4,383	1,406	5,789	223	18.9	87	384	297
April	4,381	1,495	5,876	109	7.9	210	120	-90
May	4,371	1,835	6,206	61	3.4	381	45	-337
June	4,370	2,149	6,519	36	1.7	349	42	-307
July	4,370	2,379	6,749	-41	-2.0	298	81	-217
August	4,368	2,610	6,978	-88	-3.3	311	90	-221
September	4,369	2,923	7,292	-5	-0.2	358	43	-315
October	4,370	3,073	7,443	-118	-3.7	247	92	-155
November	4,380	3,065	7,445	-90	-2.8	173	205	32
December	4,383	2,523	6,906	-207	-7.6	63	606	543
Total	—	—	—	—	—	2,598	2,772	174
2000								
January	4,363	1,725	6,088	-370	-17.6	48	829	780
February	4,371	1,300	5,672	-491	-27.4	78	532	454
March	4,364	1,150	5,514	-280	-19.6	132	294	162
April	4,363	1,184	5,547	-329	-21.8	181	145	-36
May	4,356	1,426	5,782	-420	-22.8	308	75	-232
June	4,355	1,706	6,061	-450	-20.9	339	67	-272
July	4,355	1,996	6,351	-394	-16.5	368	77	-290
August	4,355	2,190	6,544	-442	-16.8	296	102	-193
September	4,354	2,473	6,827	-450	-15.4	354	72	-282
October	^d 4,354	^d 2,699	7,053	-374	-12.2	313	87	-227
November	^d 4,358	^d 2,443	6,801	-622	-20.3	108	401	293
December	^d 4,352	^d 1,720	6,072	-803	-31.8	65	755	690
Total	—	—	—	—	—	2,591	3,436	845
2001								
January	4,344	1,265	5,609	-459	-26.6	93	559	467
February	4,328	912	5,241	-388	-29.8	71	409	338
March	4,300	742	5,042	-408	-35.5	113	293	181
April	4,261	992	5,253	-192	-16.2	345	68	-276
May	4,309	1,440	5,749	14	1.0	488	41	-448
June	4,310	1,882	6,193	176	10.3	470	48	-422
July	4,315	2,261	6,576	265	13.3	441	64	-376
August	4,313	2,576	6,889	386	17.6	384	79	-305
September(STIFS)	^{RE} 4,313	^{RE} 2,966	^{RE} 7,279	^{RE} 493	^{RE} 19.9	NA	NA	^E -390
October(STIFS)	^E 4,313	^E 3,120	^E 7,433	^E 420	^E 15.6	NA	NA	^E -154

^a Total as of December 31.^b Total underground storage capacity at the end of each calendar year (in billion cubic feet): 1995 - 7,953; 1996 - 7,980; 1997 - 8,332; 1998 - 8,179; 1999 - 8,229; and 2000 - 8,246.^c Negative numbers indicate the volume of injections in excess of withdrawals. Positive numbers indicate the volume of withdrawals in excess of injections.^d Reflects one respondent's reclassification of natural gas in underground storage from working gas to base gas.^E Estimated Data.^{RE} Revised Estimated Data.

NA Not Available.

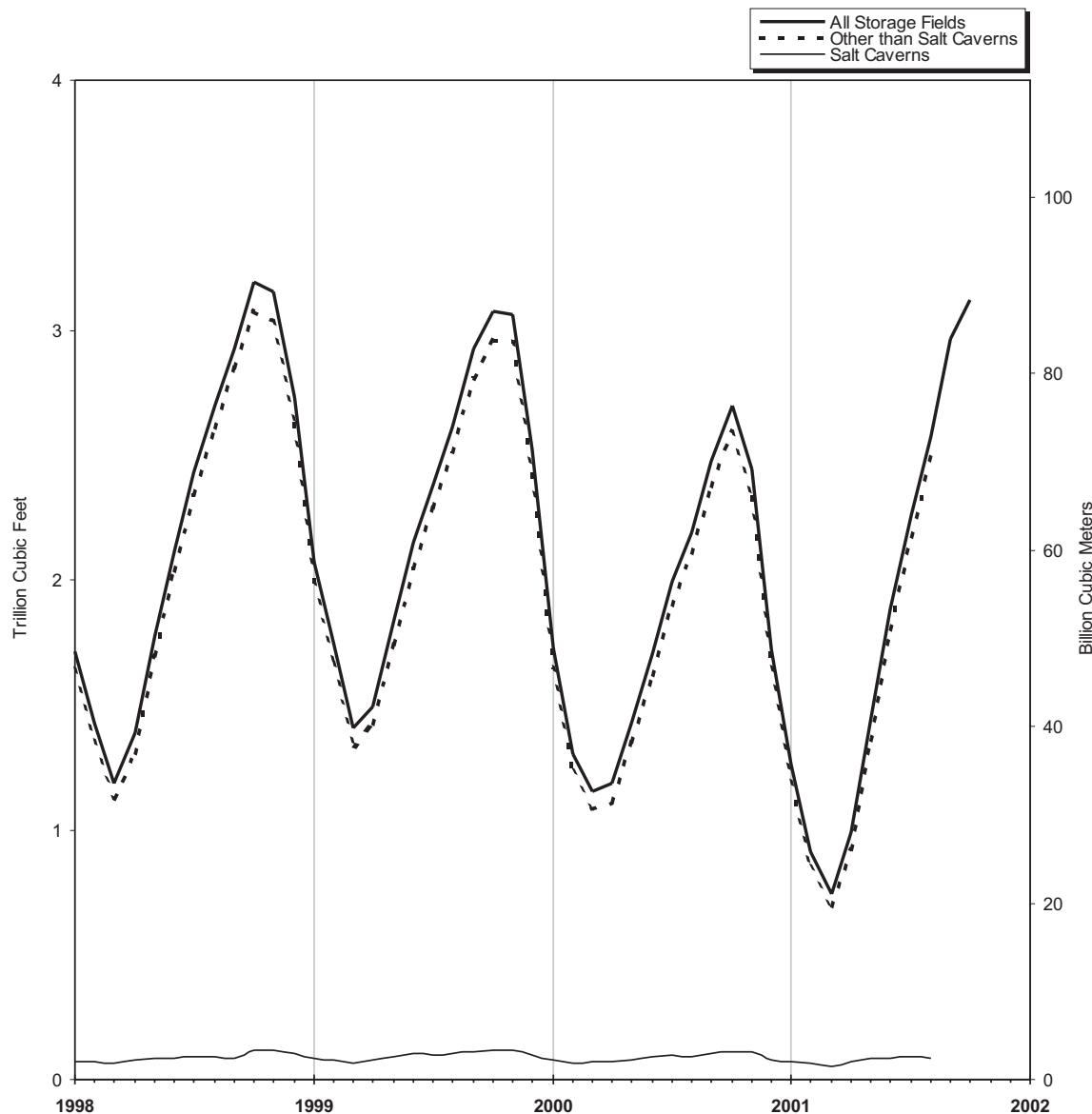
— Not Applicable.

Notes: Data for 1995 through 1999 are final. All other data are preliminary unless otherwise noted. Estimates for the most recent two months are derived from the Short-Term Integrated Forecasting System (STIFS). See Explanatory Note 7 for discussion of revision policy. Gas in storage at the end of a reporting period may not equal the quantity derived by adding or subtracting net injections or withdrawals during the period to the quantity of gas in storage at the beginning of the period. Totals may not equal sum of components because of independent rounding. Geographic coverage is the 50 States and the District of Columbia.

Sources: Form EIA-191, "Monthly Underground Gas Storage Report," Form EIA-176, "Annual Report of Natural and Supplemental Gas Supply and Disposition," and STIFS.

Figure 5

Figure 5. Working Gas in Underground Natural Gas Storage in the U.S., 1998-2001



Sources: Tables 10, 11 and 12.

Table 10

Table 10. Underground Natural Gas Storage - by Season, 1998-2001
(Volumes in Billion Cubic Feet)

Year, Season and Month	Natural Gas in Underground Storage at End of Period			Change In Working Gas from Same Period Previous Year		Storage Activity		
	Base Gas	Working Gas	Total	Volume	Percent	Injections	Withdrawals	Net Withdrawals ^a
October 1998	4,342	3,191	7,533	302	10.6	308	46	-262
1998-1999 Heating Season								
November	4,344	3,155	7,499	453	16.9	137	168	31
December	4,326	2,730	7,056	554	25.5	83	519	436
January	4,332	2,073	6,404	361	21.1	58	682	624
February	4,329	1,746	6,075	319	22.4	63	385	321
March	4,383	1,406	5,789	223	18.9	87	384	297
Total	—	—	—	—	—	428	2,137	1,709
1999 Refill Season								
April	4,381	1,495	5,876	109	7.9	210	120	-90
May	4,371	1,835	6,206	61	3.4	381	45	-337
June	4,370	2,149	6,519	36	1.7	349	42	-307
July	4,370	2,379	6,749	-41	-2.0	298	81	-217
August	4,368	2,610	6,978	-88	-3.3	311	90	-221
September	4,369	2,923	7,292	-5	-0.2	358	43	-315
October	4,370	3,073	7,443	-118	-3.7	247	92	-155
Total	—	—	—	—	—	2,154	511	-1,643
1999-2000 Heating Season								
November	4,380	3,065	7,445	-90	-2.8	173	205	32
December	4,383	2,523	6,906	-207	-7.6	63	606	543
January	4,363	1,725	6,088	-370	-17.6	48	829	780
February	4,371	1,300	5,672	-491	-27.4	78	532	454
March	4,364	1,150	5,514	-280	-19.6	132	294	162
Total	—	—	—	—	—	494	2,465	1,971
2000 Refill Season								
April	4,363	1,184	5,547	-329	-21.8	181	145	-36
May	4,356	1,426	5,782	-420	-22.8	308	75	-232
June	4,355	1,706	6,061	-450	-20.9	339	67	-272
July	4,355	1,996	6,351	-394	-16.5	368	77	-290
August	4,355	2,190	6,544	-442	-16.8	296	102	-193
September	4,354	2,473	6,827	-450	-15.4	354	72	-282
October	b4,354	b2,699	7,053	-374	-12.2	313	87	-227
Total	—	—	—	—	—	2,158	625	-1,533
2000-2001 Heating Season								
November	b4,358	b2,443	6,801	-622	-20.3	108	401	293
December	b4,352	b1,720	6,072	-803	-31.8	65	755	690
January	4,344	1,265	5,609	-459	-26.6	93	559	467
February	4,328	912	5,241	-388	-29.8	71	409	338
March	4,300	742	5,042	-408	-35.5	113	293	181
Total	—	—	—	—	—	450	2,418	1,967
2001 Refill Season								
April	4,261	992	5,253	-192	-16.2	345	68	-276
May	4,309	1,440	5,749	14	1.0	488	41	-448
June	4,310	1,882	6,193	176	10.3	470	48	-422
July	4,315	2,261	6,576	265	13.3	441	64	-376
August	4,313	2,576	6,889	386	17.6	384	79	-305
September(STIFS)	RE4,313	RE2,966	RE7,279	RE493	RE19.9	NA	NA	E-390
October(STIFS)	E4,313	E3,120	E7,433	E420	E15.6	NA	NA	E-154
Total	—	—	—	—	—	NA	NA	-2,372

^a Negative numbers indicate the volume of injections in excess of withdrawals. Positive numbers indicate the volume of withdrawals in excess of injections.

^b Reflects one respondent's reclassification of natural gas in underground storage from working gas to base gas.

E Estimated Data.

RE Revised Estimated Data.

NA Not Available.

— Not Applicable.

Notes: Data through 1999 are final. All other data are preliminary unless otherwise noted. Estimates for the most recent two months are derived from the Short-Term Integrated Forecasting System (STIFS). See Explanatory Note

7 for discussion of revision policy. Gas in storage at the end of a reporting period may not equal the quantity derived by adding or subtracting net injections or withdrawals during the period to the quantity of gas in storage at the beginning of the period. This is due to changes in the quantities of native gas included in base gas and/or losses in base gas due to migration from storage reservoirs. Totals may not equal sum of components because of independent rounding. Geographic coverage is the 50 States and the District of Columbia.

Sources: Form EIA-191, "Monthly Underground Gas Storage Report," Form EIA-176, "Annual Report of Natural and Supplemental Gas Supply and Disposition," and STIFS.

Table 11. Underground Natural Gas Storage - Salt Cavern Storage Fields, 1995-2001
(Volumes in Billion Cubic Feet)

Year and Month	Natural Gas in Salt Cavern Underground Storage at End of Period			Change in Working Gas from Same Period Previous Year		Storage Activity		
	Base Gas	Working Gas	Total	Volume	Percent	Injections	Withdrawals	Net Withdrawals
1995 Total ^a	60	72	131	2	2.9	194	200	5
1996 Total ^a	64	85	149	14	18.8	258	246	-13
1997 Total ^a	67	83	150	-4	-3.0	267	274	6
1998 Total ^a	67	104	171	21	26.0	297	275	-22
1999								
January	67	82	149	13	18.2	19	39	19
February	67	77	144	8	12.0	16	21	5
March	67	68	135	4	6.6	18	26	8
April	67	78	145	-3	-3.2	28	19	-9
May	67	94	161	12	14.2	29	12	-17
June	65	102	167	19	22.5	22	16	-6
July	65	96	161	5	5.5	16	25	8
August	66	102	168	10	10.7	23	16	-8
September	67	112	179	28	34.0	24	13	-10
October	67	115	182	-1	-0.6	23	21	-2
November	67	116	184	-2	-1.7	21	17	-4
December	69	100	169	-4	-4.0	19	35	16
Total	—	—	—	—	—	260	259	-1
2000								
January	68	75	143	-9	-10.4	15	49	34
February	69	66	135	-11	-14.4	23	21	-2
March	69	69	139	2	2.4	24	20	-4
April	70	74	144	-3	-3.8	24	19	-5
May	70	77	147	-17	-17.9	27	24	-3
June	70	89	160	-13	-12.6	28	15	-12
July	72	97	168	3	2.7	30	21	-9
August	72	88	161	-14	-13.5	21	30	9
September	72	101	172	-11	-9.9	30	18	-12
October	72	109	181	-6	-5.1	29	20	-9
November	69	111	180	-6	-4.8	22	24	2
December	70	75	145	-25	-25.4	19	53	34
Total	—	—	—	—	—	291	314	23
2001								
January	71	73	144	-2	-2.4	33	31	-1
February	69	67	136	1	1.1	19	27	8
March	69	53	122	-16	-23.6	20	34	14
April	69	71	140	-3	-4.4	33	15	-18
May	71	85	156	8	10.4	30	14	-16
June	71	85	155	-5	-5.1	26	25	-1
July	71	89	160	-8	-8.4	29	25	-4
August	71	86	157	-2	-2.7	27	29	2

^a Total as of December 31.

— Not Applicable.

Notes: Data for 1995 through 1999 are final. All other data are preliminary unless otherwise noted. See Explanatory Note 7 for discussion of the reporting of underground storage information. Gas in storage at the end of a reporting period may not equal the quantity derived by adding or subtracting net injections or withdrawals during the period to the quantity of gas in storage at the beginning of the period. This is due to changes in the quantities of native gas included in base gas and/or losses in base gas due

to migration from storage reservoirs. Totals may not equal sum of components because of independent rounding. Geographic coverage is the 50 States and the District of Columbia. Positive net withdrawals indicate the volume of withdrawals in excess of injections. Negative net withdrawals indicate the volume of injections in excess of withdrawals.

Sources: Form EIA-191, "Monthly Underground Gas Storage Report," and Form EIA-176, "Annual Report of Natural and Supplemental Gas Supply and Disposition."

Table 12. Underground Natural Gas Storage - Storage Fields Other than Salt Caverns, 1995-2001
 (Volumes in Billion Cubic Feet)

Year and Month	Natural Gas in Non-Salt Cavern Underground Storage at End of Period			Change in Working Gas from Same Period Previous Year		Storage Activity		
	Base Gas	Working Gas	Total	Volume	Percent	Injections	Withdrawals	Net Withdrawals
1995 Total ^a	4,290	2,082	6,371	-455	-17.9	2,372	2,774	403
1996 Total ^a	4,277	2,087	6,364	6	0.3	2,647	2,665	18
1997 Total ^a	4,283	2,092	6,375	4	0.2	2,533	2,551	18
1998 Total ^a	4,259	2,626	6,884	533	25.5	2,608	2,103	-504
1999								
January	4,264	1,991	6,255	348	21.2	39	643	604
February	4,262	1,669	5,931	311	22.9	47	364	317
March	4,316	1,338	5,654	219	19.5	69	358	289
April	4,314	1,417	5,731	112	8.6	182	101	-81
May	4,305	1,740	6,045	49	2.9	352	32	-319
June	4,305	2,047	6,352	17	0.8	327	26	-301
July	4,305	2,284	6,588	-46	-2.3	282	56	-226
August	4,302	2,508	6,810	-98	-3.8	288	74	-214
September	4,302	2,811	7,114	-33	-1.2	334	29	-305
October	4,303	2,958	7,261	-117	-3.8	224	71	-153
November	4,313	2,949	7,261	-88	-2.9	151	187	36
December	4,314	2,423	6,738	-202	-7.7	44	571	527
Total	—	—	—	—	—	2,338	2,512	175
2000								
January	4,295	1,649	5,944	-361	-17.9	33	779	746
February	4,302	1,234	5,537	-480	-28.0	55	511	455
March	4,295	1,080	5,375	-282	-20.7	109	274	166
April	4,293	1,110	5,403	-326	-22.7	156	126	-30
May	4,285	1,349	5,635	-403	-23.0	280	51	-229
June	4,284	1,617	5,902	-437	-21.3	312	52	-260
July	4,284	1,899	6,183	-397	-17.3	338	56	-282
August	4,283	2,101	6,384	-428	-16.9	275	73	-202
September	4,283	2,372	6,655	-439	-15.6	324	54	-270
October	^b 4,282	^b 2,590	6,872	-368	-12.4	285	66	-218
November	^b 4,289	^b 2,333	6,621	-616	-20.9	86	377	291
December	^b 4,282	^b 1,646	5,928	-778	-32.1	47	703	656
Total	—	—	—	—	—	2,299	3,122	822
2001								
January	4,273	1,192	5,465	-457	-27.7	60	528	468
February	4,259	846	5,105	-389	-31.5	52	382	330
March	4,232	688	4,920	-392	-36.3	93	259	166
April	4,192	921	5,113	-189	-17.0	312	54	-259
May	4,239	1,355	5,594	6	0.4	458	27	-432
June	4,239	1,798	6,037	181	11.2	445	23	-421
July	4,245	2,172	6,417	273	14.4	411	39	-372
August	4,242	2,490	6,732	389	18.5	357	50	-307

^a Total as of December 31.

^b Reflects one respondent's reclassification of natural gas in underground storage from working gas to base gas.

— Not Applicable.

Notes: Data for 1995 through 1999 are final. All other data are preliminary unless otherwise noted. See Explanatory Note 7 for discussion of the reporting of underground storage information. Gas in storage at the end of a reporting period may not equal the quantity derived by adding or subtracting net injections or withdrawals during the period to the quantity of gas in storage at the beginning of the period. This is due to changes in the

quantities of native gas included in base gas and/or losses in base gas due to migration from storage reservoirs. Totals may not equal sum of components because of independent rounding. Geographic coverage is the 50 States and the District of Columbia. Positive net withdrawals indicate the volume of withdrawals in excess of injections. Negative net withdrawals indicate the volume of injections in excess of withdrawals.

Sources: Form EIA-191, "Monthly Underground Gas Storage Report," and Form EIA-176, "Annual Report of Natural and Supplemental Gas Supply and Disposition."

Table 13

Table 13. Net Withdrawals from Underground Storage, by State, 1999-2001

(Volumes in Million Cubic Feet)

State	2001					
	August	July	June	May	April	March
Alabama	-113	-154	-576	44	-195	604
Arkansas	-505	-740	-879	-992	-604	139
California	-10,941	-20,929	-29,462	-27,438	-17,361	-14,822
Colorado	-4,513	-4,182	-4,069	-2,301	660	1,787
Illinois	-23,679	-20,442	-25,936	-30,943	-12,251	14,412
Indiana	-2,916	-3,671	-3,159	-1,372	1,366	2,616
Iowa	-13,505	-10,141	-6,017	-5,532	-2,900	3,712
Kansas	-7,572	-6,556	-13,884	-14,428	-11,364	4,933
Kentucky	-6,409	-9,956	-12,782	-11,456	-4,039	6,901
Louisiana	-13,578	-24,699	-30,405	-25,730	-22,513	5,213
Maryland	518	-2,572	-3,098	-2,653	-1,402	1,215
Michigan	-79,175	-87,034	-80,530	-71,545	-36,155	43,738
Minnesota	-259	-328	-319	-152	23	154
Mississippi	-1,986	-5,355	-6,274	-2,821	-8,549	10,930
Missouri	-589	13	-1,063	17	-51	1,242
Montana	-4,966	-5,523	-4,034	-2,902	-1	1,629
Nebraska	-364	-339	-956	-1,908	-1,077	573
New Mexico	13	93	-403	-2,645	-1,573	-1,851
New York	-5,574	-10,233	-11,212	-13,541	-6,630	8,160
Ohio	-32,266	-37,878	-32,303	-33,094	-15,734	22,906
Oklahoma	-8,596	-10,224	-23,745	-28,938	-23,624	415
Oregon	-1,860	-2,293	-2,561	-2,151	810	962
Pennsylvania	-25,406	-50,422	-55,959	-66,462	-43,608	47,171
Tennessee	-47	-63	-31	-113	-103	69
Texas	-24,185	-21,624	-34,795	-40,985	-43,016	2,704
Utah	-5,939	-7,179	-6,356	-7,254	-4,428	-2,807
Virginia	-322	-244	-402	-532	-434	283
Washington	-1,343	372	-200	-8,283	-2,300	592
West Virginia	-25,939	-31,290	-28,838	-39,499	-18,243	16,521
Wyoming	-3,143	-2,866	-1,800	-2,052	-1,073	534
AGA Regions						
Producing	-56,408	-69,106	-110,384	-116,537	-111,243	22,484
Eastern Consuming	-215,788	-264,426	-262,862	-278,588	-141,454	170,123
Western Consuming	-32,963	-42,930	-48,800	-52,532	-23,671	-11,971
Total	-305,159	-376,461	-422,046	-447,658	-276,368	180,636

See footnotes at end of table.

Table 13. Net Withdrawals from Underground Storage, by State, 1999-2001
 (Volumes in Million Cubic Feet) — Continued

State	2001		2000				
	February	January	Total	December	November	October	September
Alabama	-241	330	442	85	203	142	110
Arkansas	391	785	3,033	2,077	432	-397	-268
California	20,542	39,041	50,820	6,831	27,276	-10,226	-1,265
Colorado	4,374	4,138	7,842	4,853	3,997	-1,948	-2,199
Illinois	43,450	42,940	21,522	49,879	25,938	-34,383	-31,497
Indiana	3,544	4,279	3,461	7,070	-611	-4,337	-3,365
Iowa	8,167	16,496	13,521	22,525	10,744	-13,491	-12,835
Kansas	16,056	-3,218	31,383	23,268	21,088	-18,798	-16,291
Kentucky	2,626	6,783	28,175	22,098	10,789	-8,493	-10,337
Louisiana	96	30,425	101,886	67,243	11,299	-18,447	-15,935
Maryland	2,382	2,235	4,700	5,242	1,346	-285	-44
Michigan	76,815	66,029	156,410	102,282	54,268	-37,909	-46,403
Minnesota	323	489	418	604	-92	-199	-266
Mississippi	1,071	2,828	2,237	14,226	4,898	-4,385	-4,631
Missouri	379	-255	662	1,111	-190	-353	-711
Montana	4,504	4,208	13,893	5,167	3,716	49	-957
Nebraska	1,456	1,090	4,366	1,124	1,622	-504	-764
New Mexico	-1,657	25	-570	417	-296	-906	-50
New York	11,920	13,182	9,890	17,274	5,063	-4,037	-7,910
Ohio	27,160	41,777	56,994	60,771	23,882	-10,000	-23,629
Oklahoma	12,522	24,484	92,652	42,260	16,069	-9,297	-14,618
Oregon	2,264	2,252	1,481	1,476	798	143	0
Pennsylvania	51,475	69,205	46,047	95,842	21,847	-26,478	-47,291
Tennessee	82	59	205	0	0	-114	0
Texas	8,957	41,565	130,785	67,670	12,612	-13,107	-8,249
Utah	4,031	12,277	7,354	10,929	9,079	1,050	-5,510
Virginia	92	517	393	695	344	-245	-201
Washington	6,110	2,608	1,932	-1,986	3,781	1,188	-2,835
West Virginia	26,341	36,787	44,507	55,093	20,779	-11,536	-23,871
Wyoming	2,586	3,225	8,584	3,622	2,005	341	-360
AGA Regions							
Producing	37,436	96,894	361,405	217,161	66,102	-65,338	-60,041
Eastern Consuming	255,647	301,453	391,295	441,090	176,022	-152,019	-208,748
Western Consuming	44,735	68,237	92,325	31,496	50,560	-9,603	-13,394
Total	337,818	466,585	845,025	689,747	292,684	-226,961	-282,183

See footnotes at end of table.

Table 13. Net Withdrawals from Underground Storage, by State, 1999-2001

(Volumes in Million Cubic Feet) — Continued

State	2000						
	August	July	June	May	April	March	February
Alabama	0	-82	-594	-90	66	-8	-307
Arkansas	-680	-649	-444	-698	-287	997	1,228
California	19,352	445	-6,789	-10,967	-19,885	-3,144	21,871
Colorado	-4,786	-4,625	-4,611	-751	1,382	6,707	3,627
Illinois	-28,597	-28,764	-33,160	-13,295	13,190	8,776	34,403
Indiana	-2,742	-2,234	-1,939	-258	1,350	2,031	1,448
Iowa	-11,670	-10,921	-5,856	-4,399	1,706	5,207	11,385
Kansas	-987	-9,930	-9,788	-6,106	2,275	11,548	9,643
Kentucky	-6,477	-10,659	-6,185	-4,062	3,470	6,759	10,109
Louisiana	-12,898	-23,151	-22,366	-4,878	9,828	19,976	38,771
Maryland	-2,244	-2,002	-2,999	-2,480	-633	-65	3,384
Michigan	-52,904	-49,908	-45,556	-48,446	-6,666	44,807	80,436
Minnesota	-272	-343	-131	2	116	301	298
Mississippi	-3,417	-5,252	-5,226	-4,057	527	-1,228	-595
Missouri	215	17	20	-25	103	-98	-548
Montana	-2,261	-2,039	-456	522	621	2,164	3,191
Nebraska	225	-620	1,077	-78	-92	42	1,313
New Mexico	1,041	800	-794	-469	-2,587	208	1,034
New York	-7,494	-10,087	-9,999	-8,663	-2,854	6,360	13,702
Ohio	-24,973	-33,090	-21,527	-28,909	-5,163	24,219	36,569
Oklahoma	1,344	-2,413	-9,952	-9,562	-5,856	2,165	36,526
Oregon	-2,017	-2,209	-2,043	-869	783	1,766	1,566
Pennsylvania	-32,838	-52,073	-42,668	-52,902	-7,196	11,168	66,917
Tennessee	0	0	0	0	18	63	63
Texas	13,808	-1,272	-7,124	-2,892	-10,396	-9,237	34,595
Utah	-6,540	-6,654	-5,712	-5,531	-4,447	3,012	7,585
Virginia	-212	-214	-214	-278	-114	32	105
Washington	909	-3,739	-3,660	-2,639	-893	1,485	2,566
West Virginia	-25,345	-28,215	-22,374	-18,051	-4,487	14,440	30,334
Wyoming	-897	-517	-1,168	-1,590	507	1,332	2,373
AGA Regions							
Producing	-1,789	-41,867	-55,693	-28,663	-6,496	24,430	121,202
Eastern Consuming	-195,056	-228,850	-191,974	-181,936	-7,304	123,733	289,313
Western Consuming	3,486	-19,680	-24,570	-21,823	-21,815	13,622	43,076
Total	-193,359	-290,397	-272,238	-232,422	-35,615	161,785	453,592

See footnotes at end of table.

Table 13. Net Withdrawals from Underground Storage, by State, 1999-2001
 (Volumes in Million Cubic Feet) — Continued

State	2000	1999					
	January	Total	December	November	October	September	August
Alabama	916	-164	189	-134	77	-402	-81
Arkansas	1,722	233	1,276	423	-219	-237	-901
California	27,322	8,194	24,198	-4,553	-4,598	-9,527	3,398
Colorado	6,198	-1,502	5,058	-902	-2,450	-4,903	-5,456
Illinois	59,032	-2,715	42,415	2,345	-31,518	-38,163	-32,748
Indiana	7,049	-244	4,419	-2,227	-3,862	-4,404	-2,939
Iowa	21,126	2,445	21,305	1,096	-10,941	-13,108	-11,316
Kansas	25,461	15,568	22,458	873	-1,078	-14,542	-9,853
Kentucky	21,162	2,725	10,737	2,295	-1,066	-9,932	-1,223
Louisiana	52,444	9,530	39,997	6,656	-11,735	-32,398	-3,887
Maryland	5,481	-63	1,420	460	-3,376	-1,411	-1,953
Michigan	162,410	32,938	105,683	6,548	-24,215	-49,773	-56,778
Minnesota	401	-253	147	-128	-175	-272	-250
Mississippi	11,377	14,502	9,530	-2,778	1,041	-2,219	-1,267
Missouri	1,122	-567	340	-174	-205	-408	-64
Montana	4,177	7,884	2,618	1,154	493	-1,484	-2,544
Nebraska	1,019	473	557	-252	-440	-1,645	-949
New Mexico	1,032	-2,289	814	-1,202	-259	-2,232	-841
New York	18,533	7,825	12,574	1,488	-948	-5,728	-6,898
Ohio	58,844	16,019	44,624	8,737	-9,815	-25,793	-28,634
Oklahoma	45,987	-6,703	19,463	-2,807	-11,571	-15,615	501
Oregon	2,088	-589	1,350	-593	0	-1,546	-1,316
Pennsylvania	111,718	23,197	69,287	4,253	-19,029	-41,496	-35,101
Tennessee	175	-34	164	56	-57	-105	-104
Texas	54,376	5,985	38,524	-652	-12,103	-10,456	9,511
Utah	10,093	9,193	12,584	957	-1,889	-4,860	-4,582
Virginia	695	92	455	181	-109	-414	-207
Washington	7,755	-1,213	1,577	-152	-1,462	-477	-477
West Virginia	57,742	34,622	46,561	10,665	-3,320	-20,427	-23,063
Wyoming	2,935	-1,063	2,359	539	-307	-1,030	-1,371
AGA Regions							
Producing	192,398	36,826	132,062	515	-35,924	-77,700	-6,737
Eastern Consuming	527,024	116,549	360,730	35,337	-108,825	-213,208	-202,059
Western Consuming	60,969	20,650	49,889	-3,678	-10,388	-24,100	-12,599
Total	780,391	174,025	542,681	32,174	-155,137	-315,007	-221,395

Notes: This table contains total net withdrawals for each State with natural gas storage facilities. Positive numbers indicate the volume of withdrawals in excess of injections. Negative values indicate the volume of injections in excess of withdrawals. Data through 1999 are final. All other data are preliminary at this time and are not considered final until publication of the *Natural Gas Annual* for that year. The American Gas Association (AGA) publishes weekly estimates of working gas levels in underground storage by

region. AGA defines the Producing Region as Texas, Oklahoma, Kansas, New Mexico, Louisiana, Arkansas, and Mississippi; the Eastern Consuming Region as all States east of the Mississippi River less Mississippi, plus Iowa, Nebraska and Missouri; the Western Consuming Region as all States west of the Mississippi River less the Producing Region and Iowa, Nebraska and Missouri.

Source: Form EIA-191, "Monthly Underground Gas Storage Report."

Table 14. Activities of Underground Natural Gas Storage Operators, by State, August 2001
 (Volumes in Million Cubic Feet)

State	Total Storage Capacity	Natural Gas in Underground Storage at End of Period			Change in Working Gas from Same Period Previous Year		Storage Activity	
		Base Gas	Working Gas	Total	Volume	Percent	Injections	Withdrawals
Alabama	3,280	1,190	1,651	2,841	-239	-12.6	293	180
Arkansas	22,000	8,715	6,240	14,955	83	1.4	505	0
California	388,480	246,621	186,713	433,333	45,925	32.6	16,031	5,090
Colorado	100,227	48,255	32,479	80,734	-704	-2.1	4,966	453
Illinois	898,565	668,482	184,198	852,681	9,711	5.6	25,306	1,627
Indiana	113,210	73,718	27,138	100,856	896	3.4	2,933	17
Iowa	273,200	197,715	41,985	239,701	1,843	4.6	14,343	839
Kansas	301,502	178,551	74,668	253,219	18,481	32.9	11,543	3,971
Kentucky	219,914	109,249	91,310	200,559	13,848	17.9	6,557	147
Louisiana	569,187	268,333	211,614	479,947	69,727	49.1	30,305	16,727
Maryland	62,000	46,677	11,561	58,238	-2,887	-20.0	1,420	1,939
Michigan	1,070,717	459,226	435,631	894,857	8,331	1.9	79,471	296
Minnesota	7,000	4,840	1,617	6,457	-196	-10.8	329	70
Mississippi	134,012	77,715	51,347	129,062	5,796	12.7	4,886	2,900
Missouri	31,878	21,600	9,474	31,074	450	5.0	602	13
Montana	371,510	167,340	31,582	198,923	-876	-2.7	5,250	284
Nebraska	39,469	26,995	5,339	32,334	2,762	107.1	587	222
New Mexico	96,600	29,766	9,033	38,799	219	2.5	718	732
New York	175,496	96,916	68,295	165,211	5,331	8.5	6,028	454
Ohio	573,784	344,375	158,124	502,499	13,824	9.6	32,794	527
Oklahoma	378,137	200,968	131,310	332,277	51,884	65.3	14,511	5,915
Oregon	17,755	9,352	10,117	19,469	1,616	19.0	1,860	0
Pennsylvania	713,818	351,201	314,418	665,619	28,570	10.0	38,993	13,587
Tennessee	1,200	340	732	1,072	360	97.0	47	0
Texas	699,324	249,925	247,704	497,630	75,191	43.6	46,514	22,329
Utah	129,480	64,600	39,979	104,579	2,080	5.5	6,260	321
Virginia	4,967	2,312	2,416	4,728	202	9.1	322	0
Washington	37,300	19,000	16,747	35,747	1,948	13.2	1,794	451
West Virginia	733,126	278,291	153,470	431,761	32,952	27.3	26,092	152
Wyoming	105,869	60,782	18,905	79,687	-855	-4.3	3,149	6
AGA Regions								
Producing	2,200,762	1,013,974	731,916	1,745,889	221,381	43.4	108,981	52,573
Eastern Consuming	4,914,624	2,678,287	1,505,744	4,184,031	115,955	8.3	235,789	20,001
Western Consuming	1,157,620	620,790	338,138	958,928	48,937	16.9	39,638	6,674
Total	8,273,006	4,313,050	2,575,798	6,888,848	386,274	17.6	384,408	79,249

Notes: Gas in storage at the end of a reporting period may not equal the quantity derived by adding or subtracting net injections or withdrawals during the period to the quantity of gas in storage at the beginning of the period. This is due to changes in the quantities of native gas included in base gas and/or losses in base gas due to migration from storage reservoirs. Totals may not equal sum of components because of independent rounding. Geographic coverage is the 50 States and the District of Columbia. The American Gas Association (AGA) publishes weekly estimates of working

gas levels in underground storage by region. AGA defines the Producing Region as Texas, Oklahoma, Kansas, New Mexico, Louisiana, Arkansas, and Mississippi; the Eastern Consuming Region as all States east of the Mississippi River less Mississippi, plus Iowa, Nebraska and Missouri; the Western Consuming Region as all States west of the Mississippi River less the Producing Region and Iowa, Nebraska and Missouri.

Source: Form EIA-191, "Monthly Underground Gas Storage Report."

Table 15. Natural Gas Deliveries to Residential Consumers, by State, 1999-2001
(Million Cubic Feet)

State	YTD 2001	YTD 2000	YTD 1999	2001		
				July	June	May
Alabama	36,225	30,883	29,954	1,149	1,297	1,893
Alaska	8,804	9,219	10,267	519	609	980
Arizona	26,294	24,640	23,483	1,055	1,267	1,896
Arkansas	NA	22,999	26,852	NA	NA	NA
California	333,329	317,688	395,192	23,989	22,861	30,433
Colorado	88,773	74,964	77,520	3,044	4,464	8,234
Connecticut	NA	27,348	27,043	803	NA	1,309
Delaware	7,226	6,817	6,555	219	275	461
District of Columbia	10,879	10,188	10,279	351	442	595
Florida	11,270	9,980	9,070	728	781	955
Georgia	NA	76,969	57,415	3,674	3,819	4,742
Hawaii	324	328	320	44	47	46
Idaho	13,184	11,735	12,202	412	584	1,063
Illinois	281,851	266,776	285,086	9,918	11,443	14,452
Indiana	NA	98,643	103,947	NA	NA	NA
Iowa	NA	43,942	48,670	NA	1,929	2,639
Kansas	53,006	45,293	49,345	1,420	1,743	2,437
Kentucky	NA	35,959	37,813	NA	988	1,307
Louisiana	NA	29,950	30,894	NA	1,719	2,183
Maine	629	644	592	25	R22	49
Maryland	56,167	51,535	50,675	1,809	2,207	3,035
Massachusetts	83,785	77,857	66,102	2,765	R3,514	5,835
Michigan	247,478	231,961	240,714	7,084	10,690	16,531
Minnesota	84,121	76,477	76,674	2,730	3,485	4,833
Mississippi	NA	16,749	17,222	735	773	1,142
Missouri	86,891	73,650	81,418	2,366	3,043	3,840
Montana	13,254	11,600	12,504	416	696	1,047
Nebraska	32,877	27,500	28,670	950	1,180	2,564
Nevada	21,249	18,346	19,296	1,041	1,174	1,640
New Hampshire	5,054	5,090	4,653	154	R214	386
New Jersey	149,364	140,784	147,795	4,780	6,006	9,242
New Mexico	19,544	20,214	21,098	1,008	966	1,190
New York	283,779	NA	259,737	9,969	14,262	22,366
North Carolina	41,766	41,628	38,365	1,082	1,544	2,045
North Dakota	6,626	6,975	7,180	215	246	366
Ohio	243,861	208,303	213,779	8,098	9,597	13,532
Oklahoma	47,001	40,603	45,739	1,524	1,767	2,313
Oregon	26,485	25,709	26,689	1,095	1,508	2,653
Pennsylvania	NA	167,222	164,992	5,108	6,222	NA
Rhode Island	13,602	13,226	12,104	476	644	1,030
South Carolina	20,360	18,993	18,108	492	567	992
South Dakota	NA	7,493	8,089	NA	NA	547
Tennessee	51,161	43,085	42,624	2,011	2,176	1,970
Texas	153,996	117,567	123,141	5,729	6,979	8,492
Utah	33,040	29,911	33,203	1,411	1,782	1,888
Vermont	2,035	1,998	1,822	65	96	146
Virginia	52,214	48,453	46,782	1,520	1,805	2,377
Washington	NA	46,393	47,637	NA	3,021	4,899
West Virginia	NA	21,652	22,142	398	R456	NA
Wisconsin	NA	78,724	80,214	2,930	NA	NA
Wyoming	7,260	7,364	8,209	240	440	610
Total	3,369,957	3,096,663	3,209,871	126,276	R150,335	214,264

See footnotes at end of table.

Table 15. Natural Gas Deliveries to Residential Consumers, by State, 1999-2001
 (Million Cubic Feet) — Continued

State	2001				2000	
	April	March	February	January	Total	December
Alabama	4,605	5,643	8,644	12,994	46,063	8,330
Alaska	1,182	1,813	1,824	1,876	15,979	2,013
Arizona	2,824	5,439	7,072	6,739	36,745	6,038
Arkansas	NA	NA	NA	NA	42,373	10,483
California	41,474	58,633	71,182	84,757	516,494	68,423
Colorado	12,557	17,892	20,481	22,102	117,502	20,828
Connecticut	3,644	6,135	6,215	8,425	41,870	6,804
Delaware	1,048	1,564	1,715	1,943	9,464	1,403
District of Columbia	1,390	2,178	2,544	3,379	14,951	2,479
Florida	1,310	1,510	2,635	3,351	15,127	1,932
Georgia	NA	17,069	16,513	28,880	144,499	35,319
Hawaii	47	49	43	48	535	44
Idaho	1,794	2,379	3,455	3,497	18,714	3,211
Illinois	26,454	61,269	72,405	85,909	466,956	99,505
Indiana	NA	NA	NA	NA	160,534	32,801
Iowa	5,559	11,095	13,101	14,777	73,842	15,570
Kansas	5,758	11,650	12,213	17,787	70,562	14,361
Kentucky	2,488	9,204	8,955	12,626	65,163	15,409
Louisiana	3,698	5,473	8,840	13,197	49,022	9,399
Maine	61	143	154	175	1,011	176
Maryland	6,713	11,619	12,948	17,836	82,603	15,390
Massachusetts	13,605	18,455	18,490	21,123	113,997	16,739
Michigan	33,454	55,739	55,540	68,440	360,389	63,508
Minnesota	9,565	17,617	22,678	23,212	130,561	26,916
Mississippi	1,958	NA	4,981	7,902	26,222	5,352
Missouri	9,594	17,971	21,190	28,888	115,923	23,707
Montana	1,906	2,583	3,330	3,276	19,593	3,393
Nebraska	4,596	6,229	7,494	9,864	41,725	6,875
Nevada	2,470	3,974	5,415	5,536	29,917	4,950
New Hampshire	784	1,061	1,132	1,324	7,316	1,033
New Jersey	20,570	32,905	33,583	42,276	219,373	37,212
New Mexico	1,948	2,762	5,561	6,109	36,014	6,447
New York	42,975	59,507	64,028	70,672	NA	NA
North Carolina	5,034	7,881	9,527	14,653	65,084	12,769
North Dakota	818	1,267	1,934	1,781	11,116	1,931
Ohio	30,542	52,879	56,629	72,584	332,057	61,643
Oklahoma	5,668	9,987	12,033	13,710	64,543	13,501
Oregon	3,916	5,048	5,941	6,324	38,714	6,064
Pennsylvania	NA	38,814	39,973	51,432	262,797	46,594
Rhode Island	2,133	2,881	2,966	3,471	18,655	2,487
South Carolina	2,463	3,238	4,689	7,919	29,108	6,068
South Dakota	1,039	1,770	2,172	2,165	12,609	2,621
Tennessee	5,352	9,693	10,443	19,516	67,864	15,017
Texas	15,626	25,405	38,785	52,979	190,460	38,111
Utah	4,120	5,561	8,187	10,092	55,624	9,652
Vermont	316	420	446	544	2,843	376
Virginia	5,712	10,828	12,695	17,278	78,188	15,390
Washington	7,278	8,883	10,980	11,085	NA	10,746
West Virginia	3,502	NA	5,442	6,923	31,685	5,341
Wisconsin	8,545	21,640	22,782	23,699	135,198	27,689
Wyoming	R1,158	1,101	1,846	1,865	12,149	2,088
Total	R410,469	690,484	R791,366	986,763	4,975,731	904,746

See footnotes at end of table.

Table 15. Natural Gas Deliveries to Residential Consumers, by State, 1999-2001
 (Million Cubic Feet) — Continued

State	2000					
	November	October	September	August	July	June
Alabama	2,882	1,689	1,153	1,126	1,218	1,351
Alaska	1,748	1,454	927	618	474	645
Arizona	2,951	1,133	1,028	956	1,053	1,245
Arkansas	5,333	1,488	1,154	916	792	916
California	52,076	31,726	24,480	22,101	24,464	27,655
Colorado	10,867	5,548	2,717	2,579	3,032	4,125
Connecticut	3,824	2,280	992	622	961	1,270
Delaware	615	269	172	187	246	294
District of Columbia	1,037	537	365	346	367	470
Florida	992	826	698	698	738	836
Georgia	16,674	7,019	4,473	4,045	3,865	4,066
Hawaii	42	41	41	39	44	45
Idaho	2,107	843	475	343	430	621
Illinois	55,887	21,831	12,372	10,584	9,555	12,058
Indiana	15,546	6,762	3,861	2,922	2,935	3,693
Iowa	8,096	3,114	1,710	1,410	1,551	1,611
Kansas	5,608	2,472	1,546	1,280	1,598	1,801
Kentucky	8,301	2,804	1,452	1,238	1,078	1,131
Louisiana	4,207	2,181	1,678	1,607	1,706	1,797
Maine	96	63	32	0	27	31
Maryland	7,983	3,747	2,026	1,921	1,913	2,233
Massachusetts	9,047	4,841	2,933	2,580	2,874	4,154
Michigan	31,180	17,230	9,109	7,401	7,668	9,582
Minnesota	14,938	6,182	3,273	2,774	2,875	3,369
Mississippi	1,704	1,050	699	669	724	805
Missouri	9,442	4,061	2,545	2,517	2,475	2,081
Montana	2,349	1,275	595	381	470	590
Nebraska	3,636	1,887	1,053	774	897	977
Nevada	3,228	1,399	1,085	909	1,009	1,184
New Hampshire	566	302	182	143	178	275
New Jersey	19,949	10,414	5,917	5,098	4,982	6,198
New Mexico	4,655	2,500	1,214	983	975	1,573
New York	NA	NA	NA	NA	NA	14,349
North Carolina	6,086	2,498	1,072	1,030	1,025	1,510
North Dakota	1,136	593	255	227	212	333
Ohio	32,211	15,638	7,550	6,712	7,200	7,670
Oklahoma	5,385	2,252	1,434	1,369	1,523	1,750
Oregon	3,572	1,581	982	806	1,003	1,537
Pennsylvania	24,010	12,355	6,975	5,640	5,815	7,866
Rhode Island	1,262	722	506	451	482	715
South Carolina	2,032	1,011	536	468	494	576
South Dakota	1,375	601	277	243	248	333
Tennessee	5,128	2,318	1,213	1,102	1,208	1,335
Texas	15,380	8,224	5,631	5,546	6,139	6,864
Utah	8,378	3,824	2,415	1,444	1,492	1,494
Vermont	210	124	72	62	70	110
Virginia	8,033	3,159	1,685	1,468	1,550	1,779
Washington	NA	3,192	1,997	1,593	1,971	3,039
West Virginia	2,181	1,375	600	536	521	749
Wisconsin	15,485	6,823	3,580	2,896	2,699	2,658
Wyoming	1,283	736	387	292	304	407
Total	479,682	233,686	139,896	121,058	127,115	153,758

See footnotes at end of table.

Table 15. Natural Gas Deliveries to Residential Consumers, by State, 1999-2001
 (Million Cubic Feet) — Continued

State	2000					1999
	May	April	March	February	January	Total
Alabama	2,267	3,391	4,694	9,492	8,470	42,647
Alaska	864	1,233	1,764	1,885	2,354	17,634
Arizona	1,596	2,814	4,430	6,699	6,804	32,940
Arkansas	1,559	2,440	4,140	5,736	7,417	36,245
California	31,747	39,017	62,814	65,301	66,689	568,496
Colorado	6,603	11,312	14,576	16,327	18,989	111,748
Connecticut	2,244	3,216	5,018	7,692	6,947	38,364
Delaware	655	985	1,178	1,661	1,800	8,862
District of Columbia	717	1,232	1,691	3,013	2,698	14,147
Florida	973	1,140	1,631	2,492	2,171	13,797
Georgia	4,803	8,727	11,080	17,688	26,740	98,777
Hawaii	47	46	48	49	48	524
Idaho	892	1,663	2,210	2,602	3,317	17,912
Illinois	15,622	35,416	45,616	63,987	84,522	445,217
Indiana	6,240	12,785	16,174	25,965	30,851	151,529
Iowa	2,658	5,392	7,679	10,990	14,061	71,430
Kansas	2,950	5,750	8,189	11,842	13,164	68,146
Kentucky	1,424	4,135	6,224	8,287	13,682	59,220
Louisiana	2,040	3,693	4,355	7,622	8,736	45,104
Maine	49	89	123	122	202	957
Maryland	3,313	6,430	8,673	14,316	14,658	74,848
Massachusetts	7,032	10,228	13,787	21,025	18,756	105,709
Michigan	18,230	32,413	42,048	58,759	63,259	350,735
Minnesota	4,940	9,700	12,806	17,941	24,845	118,938
Mississippi	1,147	1,836	2,481	4,931	4,827	24,562
Missouri	4,816	9,181	12,838	21,101	21,157	112,042
Montana	947	1,514	2,231	2,729	3,119	19,676
Nebraska	1,426	4,515	5,735	6,728	7,223	40,588
Nevada	1,568	2,027	3,711	3,861	4,985	28,772
New Hampshire	432	641	973	1,274	1,316	6,613
New Jersey	11,007	17,683	25,174	37,760	37,980	209,399
New Mexico	1,163	3,438	3,447	4,437	5,183	35,548
New York	24,313	38,607	49,718	70,995	66,669	370,711
North Carolina	2,265	4,531	7,685	13,396	11,216	52,853
North Dakota	502	929	1,323	1,698	1,977	10,573
Ohio	13,488	27,892	37,454	52,516	62,083	318,214
Oklahoma	2,683	4,993	7,170	11,476	11,008	61,611
Oregon	2,322	3,493	5,032	5,678	6,643	38,564
Pennsylvania	10,603	21,602	29,809	43,373	48,155	241,468
Rhode Island	1,279	1,812	2,581	3,500	2,857	16,601
South Carolina	1,140	1,917	2,877	6,438	5,552	25,669
South Dakota	573	1,059	1,360	1,772	2,149	11,766
Tennessee	2,544	4,786	6,693	13,063	13,458	60,561
Texas	8,392	14,250	17,287	31,342	33,292	175,907
Utah	1,809	2,967	6,792	7,038	8,319	55,474
Vermont	179	268	396	510	465	2,565
Virginia	2,830	5,429	8,242	13,778	14,846	69,189
Washington	4,523	6,483	8,965	10,074	11,338	71,704
West Virginia	1,902	2,496	3,825	6,316	5,843	31,403
Wisconsin	5,018	11,182	13,084	18,644	25,439	127,607
Wyoming	658	1,227	1,441	1,666	1,661	12,106
Total	228,992	400,006	549,269	777,585	859,938	4,725,672

^R Revised Data.^{NA} Not Available.

Notes: Geographic coverage is the 50 States and the District of Columbia. See Appendix A, Explanatory Note 5 for discussion of computations and

revision policy.

Source: Form EIA-857, "Monthly Report of Natural Gas Purchases and Deliveries to Consumers."

Table 16. Natural Gas Deliveries to Commercial Consumers, by State, 1999-2001
 (Million Cubic Feet)

State	YTD 2001	YTD 2000	YTD 1999	2001		
				July	June	May
Alabama	17,800	15,442	16,949	1,079	1,157	1,457
Alaska	10,104	12,170	16,239	814	873	1,279
Arizona	20,084	20,563	20,177	1,781	1,972	2,317
Arkansas	NA	18,864	19,024	NA	NA	NA
California	151,072	144,984	157,990	15,534	15,716	16,985
Colorado	48,063	39,557	40,195	2,251	2,917	4,718
Connecticut	NA	30,218	30,670	1,632	NA	2,386
Delaware	4,518	3,550	4,419	197	242	312
District of Columbia	11,707	11,596	12,414	903	851	1,119
Florida	31,433	29,665	23,458	3,575	3,760	4,104
Georgia	NA	34,987	28,550	2,118	2,174	2,443
Hawaii	1,054	1,043	1,029	148	151	145
Idaho	9,497	8,152	8,365	572	660	922
Illinois	124,768	117,766	121,395	7,009	7,067	7,787
Indiana	NA	51,274	49,205	NA	NA	NA
Iowa	NA	27,435	29,762	NA	1,425	1,811
Kansas	27,994	24,868	26,332	1,576	1,282	1,491
Kentucky	NA	22,670	23,238	NA	937	1,402
Louisiana	NA	15,481	15,798	NA	1,742	1,861
Maine	1,199	1,766	1,622	68	R64	R107
Maryland	35,533	37,869	38,173	2,317	2,415	2,905
Massachusetts	42,531	40,906	45,877	2,157	R2,668	3,908
Michigan	122,237	117,687	120,324	5,218	6,157	8,669
Minnesota	62,013	56,048	55,914	2,773	3,170	4,156
Mississippi	14,576	12,713	12,833	1,060	1,019	1,175
Missouri	46,458	40,429	44,376	2,064	2,206	2,705
Montana	8,918	8,144	7,913	383	492	767
Nebraska	19,159	18,160	19,730	1,040	1,132	1,508
Nevada	14,348	15,331	14,233	1,254	1,347	1,553
New Hampshire	5,612	5,441	4,864	128	R190	510
New Jersey	130,301	130,695	113,006	6,270	5,512	9,582
New Mexico	16,646	16,694	17,079	1,020	1,087	1,420
New York	215,699	NA	220,139	22,619	30,702	29,525
North Carolina	26,093	26,957	25,304	1,606	1,594	2,047
North Dakota	6,476	6,549	6,730	336	280	400
Ohio	132,921	117,324	112,883	5,668	5,920	8,248
Oklahoma	33,919	24,868	27,349	2,358	R2,496	R2,445
Oregon	24,526	18,357	19,367	4,058	3,956	2,032
Pennsylvania	NA	91,786	91,970	4,128	5,025	6,623
Rhode Island	9,056	8,769	8,041	460	511	743
South Carolina	14,469	13,463	13,043	1,881	1,109	1,317
South Dakota	NA	6,194	6,514	NA	R303	410
Tennessee	36,187	34,039	35,140	2,022	R1,907	2,173
Texas	210,752	105,577	104,186	22,634	20,887	35,525
Utah	19,251	17,535	18,689	934	973	1,385
Vermont	1,771	1,761	1,573	74	108	136
Virginia	NA	38,559	39,586	2,512	2,553	3,035
Washington	NA	32,685	33,257	NA	9,848	3,863
West Virginia	NA	17,281	17,239	899	1,430	1,341
Wisconsin	NA	47,244	51,613	2,314	NA	NA
Wyoming	7,874	5,996	6,570	247	344	469
Total	2,175,069	1,997,508	1,980,346	156,004	R168,592	R200,304

See footnotes at end of table.

Table 16. Natural Gas Deliveries to Commercial Consumers, by State, 1999-2001
 (Million Cubic Feet) — Continued

State	2001				2000	
	April	March	February	January	Total	December
Alabama	2,248	2,858	3,782	5,218	24,444	3,651
Alaska	1,410	1,894	1,839	1,995	21,219	2,484
Arizona	2,810	3,466	3,759	3,981	32,525	3,681
Arkansas	NA	NA	NA	NA	33,950	6,310
California	26,490	22,690	25,858	27,800	245,931	25,063
Colorado	6,845	9,385	10,179	11,768	62,827	10,012
Connecticut	4,268	5,652	5,993	6,697	48,943	6,638
Delaware	663	1,007	952	1,145	5,163	709
District of Columbia	1,937	2,198	2,271	2,429	17,724	2,176
Florida	4,379	4,637	5,429	5,549	49,326	4,957
Georgia	NA	6,576	6,486	10,029	60,941	11,824
Hawaii	150	154	151	154	1,771	145
Idaho	1,193	1,594	2,238	2,318	13,261	2,097
Illinois	12,159	26,168	30,068	34,511	201,517	37,496
Indiana	NA	NA	NA	NA	86,815	16,785
Iowa	3,538	6,633	7,762	8,891	46,335	9,104
Kansas	3,107	5,747	6,595	8,195	40,189	7,209
Kentucky	2,360	4,906	5,480	7,947	38,973	8,027
Louisiana	2,238	NA	3,437	4,456	25,477	3,581
Maine	R194	R358	R408	0	2,690	439
Maryland	4,619	6,629	7,092	9,556	59,103	8,426
Massachusetts	6,724	8,588	8,839	9,648	63,246	8,299
Michigan	16,610	25,979	27,509	32,095	183,804	29,165
Minnesota	7,444	13,019	15,176	16,275	94,585	16,769
Mississippi	1,579	2,486	3,000	4,257	21,373	3,341
Missouri	5,395	9,201	10,942	13,945	63,587	10,923
Montana	1,254	965	2,796	2,261	13,298	2,080
Nebraska	2,814	4,218	4,666	3,782	28,734	5,255
Nevada	1,970	2,549	2,817	2,858	25,150	2,753
New Hampshire	990	1,201	1,405	1,187	8,338	977
New Jersey	17,571	25,057	30,057	36,251	207,407	29,779
New Mexico	2,600	2,510	3,989	4,021	27,280	3,854
New York	25,816	33,461	36,187	37,390	NA	36,044
North Carolina	3,190	4,630	5,346	7,680	43,235	6,845
North Dakota	810	1,078	1,791	1,780	10,913	1,984
Ohio	16,115	27,194	32,534	37,242	R186,591	R32,567
Oklahoma	R4,306	R5,848	R7,220	9,246	40,417	6,865
Oregon	2,755	3,470	3,967	4,288	28,424	4,043
Pennsylvania	12,504	NA	NA	NA	145,582	23,174
Rhode Island	1,382	1,882	1,930	2,149	13,167	1,775
South Carolina	1,834	2,195	2,542	3,589	21,928	3,097
South Dakota	802	1,404	1,676	1,512	10,235	1,933
Tennessee	4,400	6,121	7,729	11,835	53,774	8,613
Texas	22,989	29,807	35,900	43,011	176,735	23,690
Utah	2,538	3,315	4,551	5,556	31,249	5,189
Vermont	276	356	374	447	2,595	327
Virginia	NA	7,199	7,950	10,207	63,511	9,687
Washington	4,948	5,683	6,745	7,049	51,943	6,645
West Virginia	2,849	NA	3,687	4,508	27,477	3,637
Wisconsin	5,576	12,678	12,640	13,749	81,652	15,693
Wyoming	1,195	1,891	2,120	1,608	9,738	1,356
Total	R274,059	R395,778	R452,032	528,300	R3,262,833	R477,172

See footnotes at end of table.

Table 16. Natural Gas Deliveries to Commercial Consumers, by State, 1999-2001
 (Million Cubic Feet) — Continued

State	2000					
	November	October	September	August	July	June
Alabama	1,845	1,380	1,087	1,038	1,047	1,147
Alaska	2,103	2,105	1,278	1,079	1,036	844
Arizona	2,424	2,035	1,929	1,894	1,988	2,144
Arkansas	4,030	1,591	1,160	1,996	1,470	1,601
California	23,524	16,991	17,718	17,651	16,242	16,016
Colorado	6,022	3,486	1,904	1,846	2,064	2,568
Connecticut	4,379	3,146	2,232	2,329	2,450	2,271
Delaware	424	236	58	186	196	229
District of Columbia	1,239	959	894	861	889	985
Florida	4,117	3,661	3,571	3,354	3,503	3,580
Georgia	6,318	3,216	2,384	2,213	2,248	2,369
Hawaii	152	146	145	141	146	151
Idaho	1,410	687	502	414	451	545
Illinois	21,391	10,573	7,562	6,730	6,291	6,371
Indiana	8,512	4,527	3,197	2,519	2,427	2,525
Iowa	4,893	2,290	1,503	1,110	1,443	1,316
Kansas	3,413	1,763	1,540	1,397	1,470	1,430
Kentucky	4,117	1,823	1,263	1,074	1,089	1,181
Louisiana	2,143	1,553	1,340	1,379	1,357	1,551
Maine	249	154	81	0	85	81
Maryland	5,101	2,922	2,569	2,215	2,235	2,799
Massachusetts	5,129	3,223	3,377	2,311	2,495	3,051
Michigan	15,101	9,202	6,583	6,066	5,403	6,852
Minnesota	10,487	5,033	3,219	3,029	2,944	2,934
Mississippi	1,805	1,354	1,132	1,028	1,019	992
Missouri	5,128	3,219	1,862	2,024	2,131	2,221
Montana	1,459	816	449	351	423	500
Nebraska	2,121	1,234	1,004	960	963	1,325
Nevada	2,395	1,744	1,473	1,455	1,787	1,628
New Hampshire	931	417	295	276	263	342
New Jersey	15,977	9,267	5,899	15,791	5,381	8,210
New Mexico	2,527	1,500	1,573	1,132	1,299	1,965
New York	30,310	29,733	31,292	29,967	29,505	28,997
North Carolina	3,985	2,197	1,698	1,553	1,531	1,900
North Dakota	1,149	570	330	329	275	358
Ohio	17,192	8,767	5,450	5,291	5,372	5,712
Oklahoma	3,223	1,903	1,787	1,771	1,774	1,424
Oregon	2,451	1,414	1,147	1,012	1,079	1,416
Pennsylvania	13,146	7,866	5,130	4,480	4,258	5,073
Rhode Island	1,012	675	484	452	448	548
South Carolina	1,773	1,332	1,161	1,101	1,111	1,168
South Dakota	1,078	482	293	254	287	334
Tennessee	4,426	2,510	2,325	1,861	1,828	2,129
Texas	14,029	10,779	11,026	11,634	10,880	11,059
Utah	4,323	1,989	1,301	913	953	952
Vermont	212	127	87	82	81	102
Virginia	6,306	3,705	2,663	2,592	2,411	2,700
Washington	5,846	2,637	2,152	1,977	2,154	2,789
West Virginia	2,292	1,697	1,270	1,298	1,249	1,303
Wisconsin	9,227	4,380	2,582	2,525	2,177	2,395
Wyoming	1,075	630	382	299	303	337
Total	293,920	185,645	153,346	155,242	141,911	152,420

See footnotes at end of table.

Table 16. Natural Gas Deliveries to Commercial Consumers, by State, 1999-2001
 (Million Cubic Feet) — Continued

State	2000					1999
	May	April	March	February	January	Total
Alabama	1,404	1,898	2,371	3,966	3,610	27,586
Alaska	1,477	1,688	2,242	2,070	2,812	27,667
Arizona	2,327	2,877	3,496	3,632	4,098	31,369
Arkansas	1,721	1,492	4,194	3,974	4,413	27,898
California	17,080	20,301	24,605	24,313	26,427	248,028
Colorado	3,561	5,941	7,537	8,468	9,418	59,355
Connecticut	3,341	3,783	5,601	7,072	5,700	47,646
Delaware	354	502	453	874	942	6,121
District of Columbia	1,347	1,717	2,045	2,274	2,340	17,846
Florida	3,924	4,240	4,580	4,816	5,023	36,351
Georgia	R3,413	4,231	5,151	7,410	10,166	43,593
Hawaii	148	146	150	149	153	1,749
Idaho	672	1,120	1,486	1,722	2,156	12,656
Illinois	8,308	15,383	19,454	27,375	34,585	188,567
Indiana	3,641	6,486	8,474	12,980	14,741	73,691
Iowa	2,561	3,336	4,411	6,245	8,123	44,895
Kansas	1,745	3,025	4,385	6,060	6,754	38,954
Kentucky	1,529	2,569	3,778	5,748	6,775	35,801
Louisiana	1,721	2,117	2,343	3,154	3,238	24,556
Maine	104	271	341	361	522	2,547
Maryland	3,752	5,006	6,603	8,382	9,093	58,159
Massachusetts	4,302	5,854	7,325	10,356	7,522	65,137
Michigan	10,284	16,304	21,785	26,708	30,349	179,383
Minnesota	4,057	7,529	9,700	12,291	16,595	88,078
Mississippi	1,296	1,564	1,889	3,051	2,902	20,209
Missouri	3,115	4,659	7,275	10,534	10,494	63,107
Montana	719	1,073	1,485	1,791	2,152	12,094
Nebraska	1,536	2,418	3,288	4,106	4,524	27,586
Nevada	1,772	1,975	2,632	2,517	3,019	22,747
New Hampshire	483	728	994	1,314	1,317	7,214
New Jersey	7,078	18,072	26,757	34,181	31,016	163,760
New Mexico	1,709	1,576	3,042	3,255	3,847	27,271
New York	30,876	NA	56,627	38,758	30,854	360,763
North Carolina	1,926	2,972	4,856	7,227	6,545	38,019
North Dakota	517	870	1,191	1,541	1,797	10,026
Ohio	8,913	15,017	22,401	28,924	30,984	167,974
Oklahoma	2,226	3,148	4,453	6,208	5,635	39,739
Oregon	1,792	2,372	3,466	3,833	4,399	28,562
Pennsylvania	6,672	11,394	16,034	23,489	24,866	143,296
Rhode Island	738	1,321	1,539	2,137	2,037	11,815
South Carolina	1,356	1,644	2,047	3,190	2,948	20,569
South Dakota	528	716	1,344	1,367	1,617	9,567
Tennessee	2,515	3,819	4,643	8,850	10,255	52,581
Texas	12,556	13,786	15,367	20,857	21,072	171,715
Utah	1,237	1,990	3,890	3,901	4,611	30,490
Vermont	161	227	337	428	425	2,309
Virginia	3,429	5,009	6,571	9,058	9,381	61,542
Washington	3,490	4,718	5,867	6,617	7,050	50,846
West Virginia	1,760	2,192	3,220	3,650	3,907	27,306
Wisconsin	3,675	6,327	8,043	10,427	14,201	81,726
Wyoming	541	889	1,438	1,115	1,373	9,848
Total	R185,392	263,067	363,207	432,728	458,783	3,050,313

^R Revised Data.

NA Not Available.

Notes: Geographic coverage is the 50 States and the District of Columbia. Gas volumes delivered for use as vehicle fuel are included in the annual

total but not in the monthly components. See Appendix A, Explanatory Note 5 for discussion of computations and revision policy.

Source: Form EIA-857, "Monthly Report of Natural Gas Purchases and Deliveries to Consumers."

Table 17. Natural Gas Deliveries to Industrial Consumers, by State, 1999-2001
 (Million Cubic Feet)

State	YTD 2001	YTD 2000	YTD 1999	2001		
				July	June	May
Alabama	99,494	120,380	118,120	13,740	13,425	14,493
Alaska	43,235	46,096	44,398	7,286	5,235	5,728
Arizona	16,476	14,565	16,201	2,804	2,266	2,379
Arkansas	NA	NA	82,883	8,129	NA	9,809
California	791,877	713,382	564,759	117,280	113,462	114,391
Colorado	70,166	54,558	46,451	8,507	8,162	9,225
Connecticut	15,284	20,260	18,014	2,365	2,111	2,302
Delaware	11,461	15,850	12,028	1,427	1,407	1,208
District of Columbia	0	0	0	0	0	0
Florida	73,377	84,494	82,200	11,725	10,326	10,925
Georgia	NA	102,455	110,510	13,086	11,733	12,021
Hawaii	326	318	260	50	46	46
Idaho ^a	18,280	19,250	20,137	2,309	2,286	2,320
Illinois	181,123	182,302	180,831	24,006	20,129	24,389
Indiana	NA	186,008	187,010	NA	19,065	19,635
Iowa	NA	59,017	61,344	NA	6,987	7,912
Kansas	54,946	62,918	58,051	8,833	6,545	5,682
Kentucky	NA	56,589	54,842	NA	6,000	6,117
Louisiana	609,877	563,509	508,095	84,834	80,184	82,631
Maine	1,095	2,040	1,362	186	R195	R167
Maryland	22,656	25,953	23,962	3,311	3,458	3,072
Massachusetts	83,998	92,619	90,935	10,817	10,866	12,359
Michigan	178,572	190,252	179,816	20,990	21,823	22,132
Minnesota	49,859	60,087	62,640	5,898	5,750	5,771
Mississippi	56,502	66,884	70,056	7,299	7,475	7,919
Missouri	41,951	42,561	35,924	4,870	4,496	4,620
Montana	12,702	14,100	14,411	1,494	1,227	1,228
Nebraska	22,565	25,338	27,143	5,233	2,615	2,590
Nevada	25,287	23,570	19,504	4,251	3,878	2,622
New Hampshire	2,157	2,920	3,556	266	R277	397
New Jersey	87,847	122,942	126,795	14,142	R12,842	9,178
New Mexico	23,319	15,362	15,278	6,145	3,297	3,553
New York	173,158	209,505	173,558	23,321	24,819	22,445
North Carolina	48,087	68,002	61,850	6,997	7,026	6,697
North Dakota	10,975	8,625	10,850	815	2,014	1,855
Ohio	174,612	198,035	196,249	19,353	19,767	20,690
Oklahoma	83,335	102,994	107,538	10,603	10,182	12,669
Oregon	56,708	62,736	60,517	6,978	7,633	7,637
Pennsylvania	125,233	149,586	143,170	15,310	R14,559	16,610
Rhode Island	30,777	28,734	33,131	5,269	4,852	5,197
South Carolina	42,013	59,609	59,024	6,652	6,245	6,103
South Dakota	4,915	3,145	2,945	529	513	822
Tennessee	75,362	80,700	85,576	8,866	8,885	10,118
Texas	1,006,134	1,181,703	1,011,364	135,859	121,042	143,541
Utah	20,705	24,642	23,477	2,640	2,866	2,965
Vermont	1,508	2,255	1,645	165	176	261
Virginia	41,280	56,992	54,778	8,016	4,659	5,793
Washington	78,605	79,093	64,647	10,848	10,633	11,763
West Virginia	NA	27,144	25,699	3,290	NA	NA
Wisconsin	NA	94,488	85,971	9,058	NA	NA
Wyoming	15,769	29,254	20,266	2,286	2,398	2,339
Total	5,116,010	5,534,222	5,059,774	700,465	R656,383	R696,540

See footnotes at end of table.

Table 17. Natural Gas Deliveries to Industrial Consumers, by State, 1999-2001
 (Million Cubic Feet) — Continued

State	2001				2000	
	April	March	February	January	Total	December
Alabama	14,024	15,721	14,026	14,066	197,493	15,923
Alaska	6,151	6,487	5,805	6,543	77,997	6,502
Arizona	2,002	2,267	2,460	2,298	25,362	2,462
Arkansas	10,024	10,593	NA	10,397	NA	11,767
California	110,102	109,447	108,390	118,805	1,353,135	108,187
Colorado	11,174	10,717	10,249	12,131	93,475	10,186
Connecticut	2,065	2,199	2,053	2,189	33,771	2,872
Delaware	1,687	1,801	1,980	1,952	25,587	2,050
District of Columbia	0	0	0	0	0	0
Florida	10,437	10,251	9,233	10,481	138,734	9,526
Georgia	NA	13,094	11,511	10,835	168,967	11,998
Hawaii	47	44	43	51	536	43
Idaho ^a	2,661	2,777	2,826	3,101	32,311	2,788
Illinois	23,815	29,170	29,292	30,323	304,260	31,753
Indiana	20,256	25,296	24,195	27,925	312,764	30,031
Iowa	8,120	9,066	8,810	9,554	101,801	10,096
Kansas	7,543	8,424	8,460	9,461	NA	7,929
Kentucky	9,256	6,846	8,047	10,049	94,035	8,513
Louisiana	91,609	96,285	86,299	88,034	1,054,215	98,294
Maine	R51	R76	R314	R107	3,927	581
Maryland	3,100	3,649	2,909	3,157	45,526	4,095
Massachusetts	11,603	11,651	13,239	13,462	154,775	15,220
Michigan	26,777	29,494	27,728	29,628	302,850	29,438
Minnesota	7,290	8,357	8,061	8,734	101,613	9,411
Mississippi	7,940	9,236	6,432	10,201	110,244	9,003
Missouri	5,627	5,699	7,933	8,705	70,281	7,376
Montana	1,867	2,220	2,222	2,444	23,195	2,410
Nebraska	3,156	2,770	2,967	3,235	42,968	3,351
Nevada	2,322	3,628	4,466	4,120	46,918	5,059
New Hampshire	163	378	336	340	4,470	357
New Jersey	12,564	12,780	13,187	13,155	196,705	12,923
New Mexico	3,296	2,464	2,363	2,202	27,568	2,288
New York	25,583	26,460	25,367	25,164	358,238	31,075
North Carolina	6,704	7,491	6,309	6,863	111,395	8,113
North Dakota	2,198	1,231	1,553	1,310	14,939	1,187
Ohio	23,206	28,172	28,382	35,041	328,060	30,731
Oklahoma	12,464	12,596	14,486	10,335	160,576	10,745
Oregon	8,199	8,910	9,919	7,431	104,116	7,332
Pennsylvania	17,920	20,257	19,959	20,619	246,914	21,574
Rhode Island	3,625	5,389	2,954	3,491	48,314	7,136
South Carolina	6,097	6,657	5,548	4,712	96,846	6,324
South Dakota	866	861	720	602	6,331	667
Tennessee	12,554	11,605	11,208	12,126	141,211	13,340
Texas	140,749	164,043	147,429	153,471	2,074,500	182,166
Utah	3,001	2,766	3,278	3,190	39,956	2,911
Vermont	242	309	183	172	3,949	228
Virginia	4,896	4,722	6,321	6,874	94,920	11,812
Washington	11,415	11,824	11,331	10,791	NA	NA
West Virginia	3,335	NA	3,457	3,749	44,122	3,711
Wisconsin	11,397	19,281	16,412	16,149	160,022	18,318
Wyoming	2,155	1,804	1,719	3,068	44,303	3,326
Total	R727,509	R790,942	R751,329	R792,843	9,609,920	842,007

See footnotes at end of table.

Table 17. Natural Gas Deliveries to Industrial Consumers, by State, 1999-2001
 (Million Cubic Feet) — Continued

State	2000					
	November	October	September	August	July	June
Alabama	15,543	15,384	14,552	15,710	15,230	16,075
Alaska	5,386	5,724	5,030	9,259	7,262	6,129
Arizona	2,214	1,960	2,075	2,086	2,240	2,122
Arkansas	10,684	11,594	10,209	10,228	9,123	NA
California	111,473	134,931	130,217	154,946	133,321	122,049
Colorado	7,715	6,985	7,189	6,841	6,437	7,145
Connecticut	2,933	2,261	2,371	3,074	2,082	2,414
Delaware	1,921	2,388	1,810	1,568	1,691	2,072
District of Columbia	0	0	0	0	0	0
Florida	11,278	10,647	10,741	12,048	11,615	11,690
Georgia	12,651	13,317	13,624	14,922	14,924	14,641
Hawaii	47	46	40	42	46	46
Idaho ^a	2,799	2,763	2,491	2,220	2,357	2,532
Illinois	26,971	22,206	20,724	20,304	19,658	20,306
Indiana	25,843	24,340	22,899	23,643	22,262	23,192
Iowa	9,167	8,330	7,765	7,425	6,782	7,808
Kansas	NA	7,535	11,035	11,359	10,522	9,042
Kentucky	8,153	7,117	6,928	6,737	6,438	6,704
Louisiana	99,242	99,601	92,327	101,242	72,372	72,409
Maine	496	334	246	229	224	239
Maryland	4,023	3,873	3,668	3,914	3,936	3,643
Massachusetts	12,208	13,020	9,815	11,893	12,075	11,549
Michigan	23,396	20,906	19,853	19,004	18,692	21,784
Minnesota	9,281	7,329	8,599	6,905	6,447	9,876
Mississippi	8,951	8,758	7,875	8,774	7,964	7,846
Missouri	6,138	7,491	3,438	3,277	5,023	5,159
Montana	2,178	1,691	1,517	1,299	1,365	1,646
Nebraska	3,124	2,699	5,555	2,902	5,701	3,569
Nevada	4,380	4,768	4,400	4,741	3,178	3,555
New Hampshire	274	336	290	293	278	328
New Jersey	14,895	16,318	15,418	14,210	20,102	16,243
New Mexico	2,197	2,366	2,678	2,678	2,289	2,136
New York	30,087	27,215	30,919	29,437	27,047	26,934
North Carolina	9,503	8,986	7,996	8,796	8,298	9,418
North Dakota	1,216	1,474	1,209	1,228	578	1,960
Ohio	29,103	24,705	22,828	22,658	22,456	23,092
Oklahoma	11,542	10,654	12,466	12,176	12,624	15,547
Oregon	8,241	8,822	8,621	8,363	8,215	8,263
Pennsylvania	20,589	18,540	17,958	18,668	17,786	18,587
Rhode Island	4,109	3,894	2,165	2,276	3,166	2,866
South Carolina	8,208	7,672	7,041	7,992	7,562	7,262
South Dakota	771	408	605	735	561	497
Tennessee	12,516	12,126	11,130	11,399	10,696	10,705
Texas	173,229	176,593	171,604	189,205	169,420	182,767
Utah	3,357	3,207	2,825	3,013	3,042	3,037
Vermont	403	384	370	310	321	331
Virginia	6,881	5,634	6,806	6,795	8,554	8,687
Washington	11,501	14,687	13,371	13,817	11,939	12,041
West Virginia	3,236	3,218	3,382	3,431	3,465	3,475
Wisconsin	14,391	11,899	10,487	10,438	9,405	9,914
Wyoming	3,994	2,387	2,776	2,565	2,335	2,962
Total	807,154	809,520	779,940	837,077	759,109	771,903

See footnotes at end of table.

Table 17. Natural Gas Deliveries to Industrial Consumers, by State, 1999-2001
 (Million Cubic Feet) — Continued

State	2000					1999
	May	April	March	February	January	Total
Alabama	17,293	17,949	18,233	17,653	17,947	204,263
Alaska	5,172	6,766	7,192	6,390	7,185	74,224
Arizona	2,183	1,690	2,173	2,076	2,081	27,032
Arkansas	11,206	11,704	12,582	12,916	13,263	145,140
California	107,156	82,233	86,700	86,174	95,749	1,109,359
Colorado	6,508	8,403	8,225	9,012	8,828	80,747
Connecticut	2,135	2,851	3,619	3,437	3,722	32,039
Delaware	2,315	2,561	2,504	2,252	2,455	21,075
District of Columbia	0	0	0	0	0	0
Florida	12,631	12,521	12,666	11,187	12,183	140,740
Georgia	16,574	14,182	15,018	14,023	13,093	159,851
Hawaii	47	44	46	45	44	463
Idaho ^a	2,656	2,783	2,904	2,883	3,135	33,846
Illinois	22,174	24,982	29,119	31,511	34,552	306,110
Indiana	24,205	25,123	28,207	29,449	33,569	319,890
Iowa	7,124	8,386	9,247	9,560	10,110	101,940
Kansas	8,459	8,156	8,683	8,342	9,714	97,469
Kentucky	6,870	8,372	8,359	9,983	9,863	93,814
Louisiana	79,893	75,327	83,095	85,238	95,174	875,878
Maine	243	335	315	356	327	2,550
Maryland	3,669	3,533	3,956	3,448	3,767	42,190
Massachusetts	13,789	13,169	14,969	17,567	9,501	157,579
Michigan	25,697	28,316	31,364	32,003	32,396	301,326
Minnesota	4,967	8,500	8,894	10,977	10,425	104,187
Mississippi	9,219	9,977	10,496	10,107	11,275	120,201
Missouri	5,401	5,729	6,936	7,402	6,911	64,856
Montana	1,513	2,187	2,377	2,713	2,298	23,036
Nebraska	2,766	3,148	3,343	3,438	3,373	45,750
Nevada	4,344	3,906	2,904	2,878	2,805	34,075
New Hampshire	436	446	558	421	453	5,912
New Jersey	17,237	16,281	16,889	18,009	18,181	206,898
New Mexico	2,014	2,131	2,701	1,929	2,161	26,430
New York	27,880	32,643	39,518	28,916	26,567	296,358
North Carolina	9,567	9,329	11,298	9,478	10,614	108,835
North Dakota	1,010	1,368	1,242	1,186	1,282	17,561
Ohio	25,314	28,145	30,732	32,879	35,417	330,931
Oklahoma	14,788	15,197	14,218	13,968	16,653	177,811
Oregon	8,195	9,181	9,176	9,451	10,256	107,984
Pennsylvania	18,868	22,194	25,628	22,112	24,411	240,622
Rhode Island	3,489	4,147	4,005	4,993	6,068	55,517
South Carolina	8,814	9,128	9,720	8,630	8,493	102,681
South Dakota	341	391	410	474	471	5,043
Tennessee	10,810	12,619	11,373	12,515	11,982	144,639
Texas	184,646	174,529	144,219	164,715	161,407	1,952,400
Utah	3,657	3,614	3,861	3,661	3,771	40,859
Total	779,337	774,562	792,246	814,465	842,600	9,000,936

^a Small volumes of natural gas representing onsystem sales to industrial consumers in Idaho are included in the annual total but not in monthly components.

^R Revised Data.

^{NA} Not Available.

Notes: Geographic coverage is the 50 States and the District of Columbia. See Appendix A, Explanatory Note 5 for discussion of computations and revision policy.

Source: Form EIA-857, "Monthly Report of Natural Gas Purchases and Deliveries to Consumers."

Table 18. Natural Gas Deliveries to Electric Utility^a Consumers, by State, 1999-2001
 (Million Cubic Feet)

State	YTD 2001	YTD 2000	YTD 1999	2001		
				July	June	May
Alabama	31,369	17,984	11,262	7,771	6,482	4,641
Alaska	18,596	20,082	17,179	2,483	2,437	2,265
Arizona	72,681	40,893	26,485	10,766	10,322	13,167
Arkansas	NA	23,731	23,390	3,790	1,428	1,753
California	75,689	68,181	93,727	10,248	9,909	10,925
Colorado	26,977	16,015	10,787	4,738	4,241	3,905
Connecticut	0	0	6,362	0	0	0
Delaware	86	4,286	12,832	38	21	5
District of Columbia	0	0	0	0	0	0
Florida	160,382	200,628	169,258	36,268	31,497	25,687
Georgia	6,444	13,636	10,785	2,742	1,262	1,154
Hawaii	0	0	0	0	0	0
Idaho	0	0	0	0	0	0
Illinois	2,451	1,568	30,775	1,352	441	312
Indiana	3,533	2,678	5,562	749	630	141
Iowa	3,227	2,514	3,272	1,116	483	545
Kansas	14,506	17,123	23,027	7,576	2,043	1,586
Kentucky	2,009	2,403	3,299	841	351	306
Louisiana	130,052	168,328	189,542	30,144	20,017	19,898
Maine	0	0	0	0	0	0
Maryland	4	12,761	10,387	1	1	1
Massachusetts	694	2,039	5,776	198	125	226
Michigan	15,572	25,063	32,677	5,271	2,785	1,061
Minnesota	3,027	2,798	5,009	1,305	446	418
Mississippi	50,595	58,977	58,465	16,065	8,776	8,837
Missouri	15,814	15,411	11,374	6,128	2,764	2,188
Montana	94	98	222	61	19	7
Nebraska	2,803	2,357	3,292	1,246	441	323
Nevada	44,067	39,638	35,774	5,549	5,526	6,724
New Hampshire	1	783	157	0	0	0
New Jersey	643	14,119	19,810	166	252	86
New Mexico	24,521	24,378	19,624	4,905	4,229	4,023
New York	38,988	66,033	115,636	12,049	9,056	5,225
North Carolina	3,317	6,152	6,208	1,800	1,017	315
North Dakota	2	0	0	0	0	1
Ohio	3,610	4,356	8,077	1,267	589	810
Oklahoma	89,559	94,225	100,919	27,086	15,635	11,818
Oregon	27,339	18,832	8,263	4,228	4,264	3,452
Pennsylvania	1,715	1,907	6,764	593	373	370
Rhode Island	0	0	0	0	0	0
South Carolina	819	1,988	2,956	356	281	94
South Dakota	3,459	1,378	1,836	713	455	654
Tennessee	47	1,572	2,007	22	23	0
Texas	584,872	735,044	687,048	134,024	103,980	93,384
Utah	9,523	5,142	3,261	1,121	1,362	1,503
Vermont	102	491	19	3	3	54
Virginia	5,417	12,100	15,718	2,519	1,761	644
Washington	36,039	12,961	1,231	5,371	3,720	5,798
West Virginia	290	206	220	97	60	62
Wisconsin	7,003	7,050	9,703	1,841	943	756
Wyoming	1,756	657	122	228	162	256
Total	1,532,403	1,768,563	1,810,096	354,834	260,613	235,381

See footnotes at end of table.

Table 18. Natural Gas Deliveries to Electric Utility^a Consumers, by State, 1999-2001
 (Million Cubic Feet) — Continued

State	2001				2000	
	April	March	February	January	Total	December
Alabama	3,331	3,623	1,845	3,677	36,344	2,801
Alaska	2,433	2,962	2,844	^R 3,173	35,570	3,503
Arizona	11,380	10,355	9,845	6,845	92,019	8,870
Arkansas	2,511	1,164	NA	1,668	34,603	1,697
California	11,287	10,539	10,510	^R 12,271	129,449	10,220
Colorado	3,979	4,286	3,128	^R 2,700	32,148	3,568
Connecticut	0	0	0	0	0	0
Delaware	5	5	6	7	4,337	5
District of Columbia	0	0	0	0	0	0
Florida	23,007	18,266	11,945	^R 13,712	316,486	14,992
Georgia	1,138	91	36	^R 22	21,447	58
Hawaii	0	0	0	0	0	0
Idaho	0	0	0	0	0	0
Illinois	74	81	^R 93	^R 97	2,764	130
Indiana	412	188	939	^R 474	7,754	1,986
Iowa	362	323	173	^R 225	4,735	257
Kansas	988	997	638	^R 678	33,509	1,239
Kentucky	205	194	51	61	4,073	519
Louisiana	20,504	13,251	11,918	^R 14,320	292,002	17,809
Maine	0	0	0	0	0	0
Maryland	0	0	0	^R 0	20,665	109
Massachusetts	57	71	8	^R 9	3,190	23
Michigan	638	1,739	1,565	^R 2,512	43,548	3,891
Minnesota	282	253	131	^R 192	5,411	413
Mississippi	8,249	3,489	1,703	^R 3,476	89,110	4,617
Missouri	2,192	1,411	654	^R 478	30,480	1,161
Montana	1	4	0	1	192	25
Nebraska	330	293	107	^R 65	5,508	316
Nevada	5,595	7,607	5,726	7,338	80,037	7,380
New Hampshire	0	0	0	0	783	0
New Jersey	61	56	21	0	16,952	54
New Mexico	4,031	3,334	2,465	^R 1,536	38,080	1,757
New York	4,271	3,062	2,923	^R 2,404	95,812	3,242
North Carolina	152	27	0	7	9,579	4
North Dakota	0	0	0	0	0	0
Ohio	423	340	^R 102	^R 80	6,791	250
Oklahoma	10,440	9,542	6,291	^R 8,748	169,031	11,350
Oregon	3,333	3,425	5,099	3,539	41,500	5,761
Pennsylvania	109	93	^R 94	^R 84	2,955	79
Rhode Island	0	0	0	0	0	0
South Carolina	47	10	8	23	2,814	14
South Dakota	633	599	302	^R 104	3,607	311
Tennessee	0	2	0	0	1,829	14
Texas	79,731	61,306	52,505	^R 59,942	1,245,008	72,445
Utah	1,489	1,380	1,389	^R 1,278	10,544	1,182
Vermont	2	6	3	31	1,023	18
Virginia	331	78	22	62	15,923	235
Washington	5,787	5,674	5,604	4,084	41,173	2,829
West Virginia	21	18	16	^R 16	425	33
Wisconsin	580	1,015	1,296	^R 572	12,043	1,436
Wyoming	384	269	229	229	1,843	239
Total	210,784	171,432	^R142,626	^R156,734	3,043,094	186,846

See footnotes at end of table.

Table 18. Natural Gas Deliveries to Electric Utility^a Consumers, by State, 1999-2001
 (Million Cubic Feet) — Continued

State	2000					
	November	October	September	August	July	June
Alabama	2,884	1,786	3,225	7,664	6,473	4,484
Alaska	3,192	3,101	2,874	2,819	2,797	2,699
Arizona	9,180	8,454	10,500	14,122	11,522	8,958
Arkansas	1,240	550	2,346	5,039	4,641	3,986
California	9,776	10,078	13,583	17,611	15,277	13,724
Colorado	2,727	2,651	3,071	4,115	3,577	2,716
Connecticut	0	0	0	0	0	0
Delaware	5	1	13	27	17	1,126
District of Columbia	0	0	0	0	0	0
Florida	17,873	23,037	27,763	32,193	32,272	28,482
Georgia	327	466	1,941	5,018	6,032	3,627
Hawaii	0	0	0	0	0	0
Idaho	0	0	0	0	0	0
Illinois	156	129	279	502	515	264
Indiana	282	627	1,193	988	689	238
Iowa	255	251	486	972	628	326
Kansas	1,227	1,321	3,667	8,932	6,020	2,170
Kentucky	359	194	133	464	307	417
Louisiana	17,447	20,551	27,576	40,290	34,861	29,575
Maine	0	0	0	0	0	0
Maryland	1,864	1,594	1,308	3,029	2,150	4,187
Massachusetts	201	247	171	508	281	344
Michigan	3,325	2,942	2,805	5,522	2,659	4,210
Minnesota	335	289	268	1,308	790	613
Mississippi	3,896	3,745	6,197	11,679	11,398	9,777
Missouri	650	1,405	3,470	8,384	4,583	2,511
Montana	8	0	5	55	32	19
Nebraska	319	410	586	1,519	926	478
Nevada	7,343	8,092	7,974	9,610	7,714	7,471
New Hampshire	0	0	0	0	0	0
New Jersey	26	34	100	2,619	2,689	4,157
New Mexico	1,601	2,414	3,002	4,929	4,589	3,227
New York	5,006	6,021	6,761	8,748	13,156	11,315
North Carolina	210	204	736	2,273	1,831	2,505
North Dakota	0	0	0	0	0	0
Ohio	323	291	340	1,231	603	626
Oklahoma	8,367	10,238	18,117	26,734	22,244	14,828
Oregon	4,121	4,316	4,053	4,417	4,793	3,061
Pennsylvania	193	207	187	382	214	263
Rhode Island	0	0	0	0	0	0
South Carolina	55	31	75	650	549	720
South Dakota	412	235	460	810	567	421
Tennessee	43	0	15	184	414	235
Texas	67,697	88,232	119,309	162,282	155,290	124,190
Utah	1,048	1,071	879	1,222	1,097	1,258
Total	180,318	213,487	283,535	410,344	373,256	307,218

See footnotes at end of table.

Table 18. Natural Gas Deliveries to Electric Utility^a Consumers, by State, 1999-2001
 (Million Cubic Feet) — Continued

State	2000					1999
	May	April	March	February	January	Total
Alabama	3,825	1,449	246	450	1,055	20,918
Alaska	2,831	2,684	2,910	2,789	3,373	30,529
Arizona	6,904	3,983	2,687	3,149	3,690	50,875
Arkansas	3,902	3,267	3,830	3,395	710	40,088
California	9,877	5,473	8,114	7,523	8,193	144,655
Colorado	2,585	1,134	1,952	2,152	1,900	19,155
Connecticut	0	0	0	0	0	13,095
Delaware	1,307	487	317	383	649	19,878
District of Columbia	0	0	0	0	0	0
Florida	31,636	27,953	29,405	24,395	26,485	319,274
Georgia	3,448	242	154	67	66	20,537
Hawaii	0	0	0	0	0	0
Idaho	0	0	0	0	0	0
Illinois	359	162	58	55	155	40,716
Indiana	477	296	158	309	512	7,655
Iowa	581	241	220	237	281	5,249
Kansas	2,730	2,085	1,170	1,492	1,457	35,889
Kentucky	767	116	107	162	526	5,590
Louisiana	28,352	19,421	20,951	14,370	20,798	320,328
Maine	0	0	0	0	0	0
Maryland	2,603	1,972	1,068	261	520	16,399
Massachusetts	449	431	289	152	94	8,141
Michigan	4,754	3,254	2,589	3,468	4,129	51,122
Minnesota	440	268	200	182	306	6,595
Mississippi	10,434	6,032	5,957	6,211	9,167	101,623
Missouri	2,932	1,545	1,066	1,259	1,515	19,427
Montana	8	0	8	5	25	289
Nebraska	471	178	75	116	113	4,555
Nevada	5,848	4,805	4,730	3,875	5,195	65,105
New Hampshire	2	187	415	57	121	572
New Jersey	3,335	1,979	969	536	453	32,650
New Mexico	3,567	3,411	3,574	3,059	2,951	35,581
New York	10,633	9,099	9,217	6,988	5,625	181,823
North Carolina	1,613	27	37	55	84	10,584
North Dakota	0	0	0	0	0	0
Ohio	1,142	610	668	254	455	11,105
Oklahoma	16,392	14,196	10,753	6,837	8,976	169,845
Oregon	1,647	565	2,626	2,963	3,177	23,292
Pennsylvania	286	272	270	223	378	10,376
Rhode Island	0	0	0	0	0	0
South Carolina	573	69	27	15	35	5,118
South Dakota	210	27	57	15	82	2,527
Tennessee	485	9	18	118	293	3,460
Texas	135,107	93,453	87,318	66,364	73,321	1,207,293
Utah	851	669	607	308	352	6,478
Vermont	89	62	14	23	5	250
Virginia	1,928	1,503	1,958	1,336	1,860	23,457
Washington	1,619	111	2	97	461	6,693
West Virginia	14	24	33	32	15	385
Wisconsin	1,761	842	712	1,096	748	14,077
Wyoming	12	5	8	12	10	167
Total	308,787	214,599	207,545	166,842	190,316	3,113,420

^a Includes all steam electric utility generating plants with a combined capacity of 50 megawatts or greater.

^r Revised Data.

NA Not Available.

Notes: Geographic coverage is the 50 States and the District of Columbia.

Source: Form EIA-759, "Monthly Power Plant Report."

Table 19. Natural Gas Deliveries to All Consumers, by State, 1999-2001
 (Million Cubic Feet)

State	YTD 2001	YTD 2000	YTD 1999	2001		
				July	June	May
Alabama	184,886	184,689	176,285	23,738	22,360	22,484
Alaska	80,739	87,567	88,083	11,102	9,154	10,251
Arizona	135,535	100,661	86,346	16,407	15,827	19,759
Arkansas	NA	145,998	152,149	NA	NA	NA
California	1,351,968	1,244,234	1,211,668	167,051	161,947	172,734
Colorado	233,979	185,094	174,953	18,540	19,785	26,081
Connecticut	NA	77,826	82,088	4,800	NA	5,996
Delaware	23,290	30,504	35,834	1,880	1,944	1,985
District of Columbia	22,586	21,784	22,693	1,253	1,293	1,713
Florida	276,462	324,767	283,986	52,296	46,364	41,672
Georgia	NA	228,048	207,260	21,619	18,989	20,360
Hawaii	1,703	1,689	1,609	242	244	237
Idaho	40,961	39,137	40,703	3,293	3,530	4,306
Illinois	590,192	568,412	618,087	42,284	39,081	46,939
Indiana	NA	338,603	345,724	NA	NA	NA
Iowa	NA	132,909	143,048	NA	10,825	12,907
Kansas	150,453	150,202	156,756	19,405	11,612	11,196
Kentucky	NA	117,621	119,192	NA	8,276	9,132
Louisiana	NA	777,267	744,329	NA	103,662	106,573
Maine	2,923	4,449	3,576	278	R282	R323
Maryland	114,360	128,119	123,198	7,439	8,081	9,013
Massachusetts	211,007	213,420	208,689	15,937	R17,173	22,327
Michigan	563,859	564,962	573,531	38,563	41,455	48,392
Minnesota	199,019	NA	200,237	12,706	12,851	15,177
Mississippi	NA	155,322	158,576	25,159	18,044	19,073
Missouri	191,114	172,051	173,092	15,429	12,509	13,352
Montana	34,968	33,941	35,050	2,355	2,434	3,050
Nebraska	77,404	73,354	78,835	8,468	5,368	6,985
Nevada	104,951	96,884	88,807	12,096	11,925	12,539
New Hampshire	12,824	14,234	13,230	548	R680	1,293
New Jersey	368,154	408,540	407,405	25,359	R24,611	28,088
New Mexico	84,030	76,648	73,078	13,077	9,579	10,186
New York	711,625	800,568	769,070	67,957	78,838	79,561
North Carolina	119,263	142,739	131,727	11,484	11,181	11,104
North Dakota	24,079	22,150	24,760	1,366	2,540	2,622
Ohio	555,003	528,018	530,988	34,386	35,873	43,281
Oklahoma	253,814	262,689	281,544	41,570	R30,080	R29,245
Oregon	135,058	125,634	114,836	16,359	17,361	15,774
Pennsylvania	NA	410,500	406,896	25,139	R26,178	NA
Rhode Island	53,435	50,729	53,276	6,205	6,007	6,970
South Carolina	77,660	94,053	93,131	9,382	8,202	8,506
South Dakota	NA	18,210	19,383	NA	R1,690	2,433
Tennessee	162,756	159,397	165,347	12,921	R12,991	14,261
Texas	1,955,755	2,139,890	1,925,739	298,246	252,888	280,942
Utah	82,519	77,230	78,630	6,106	6,982	7,742
Vermont	5,416	6,505	5,059	307	384	598
Virginia	NA	156,103	156,863	14,567	10,777	11,849
Washington	NA	171,132	146,772	NA	27,223	26,323
West Virginia	NA	66,283	65,301	4,685	R5,010	NA
Wisconsin	NA	227,506	227,501	16,143	NA	NA
Wyoming	32,659	43,271	35,167	3,001	3,344	3,674
Total	12,193,439	12,396,956	12,060,087	1,337,579	R1,235,922	R1,346,489

See footnotes at end of table.

Table 19. Natural Gas Deliveries to All Consumers, by State, 1999-2001

(Million Cubic Feet) — Continued

State	2001				2000	
	April	March	February	January	Total	December
Alabama	24,207	27,845	28,297	35,955	304,344	30,706
Alaska	11,177	13,156	12,312	R13,587	150,764	14,501
Arizona	19,016	21,528	23,136	19,862	186,651	21,051
Arkansas	NA	NA	NA	NA	245,812	30,257
California	189,353	201,309	215,940	R243,634	2,245,008	211,892
Colorado	34,556	42,280	44,037	R48,701	305,953	44,595
Connecticut	9,977	13,985	14,262	17,311	124,584	16,314
Delaware	3,403	4,378	4,653	5,046	44,550	4,166
District of Columbia	3,327	4,377	4,815	5,808	32,675	4,654
Florida	39,132	34,664	29,242	R33,093	519,672	31,407
Georgia	NA	36,829	34,546	R49,766	R395,854	59,198
Hawaii	243	247	237	253	2,841	232
Idaho	5,648	6,749	8,519	8,916	64,286	8,096
Illinois	62,502	116,688	R131,858	R150,840	975,498	168,883
Indiana	NA	NA	NA	R74,920	567,867	81,603
Iowa	17,579	27,117	29,847	R33,445	226,713	35,028
Kansas	17,395	26,818	27,907	R36,120	NA	30,737
Kentucky	14,309	21,150	22,533	30,684	202,244	32,468
Louisiana	118,049	117,503	110,494	R120,008	1,420,717	129,084
Maine	R305	R577	R875	R282	7,627	1,196
Maryland	14,433	21,897	22,949	R30,549	207,897	28,020
Massachusetts	31,988	38,765	40,576	R44,242	335,207	40,282
Michigan	77,479	112,951	112,343	R132,676	890,591	126,002
Minnesota	24,580	39,246	46,046	R48,412	NA	53,510
Mississippi	19,726	NA	16,116	R25,837	246,948	22,314
Missouri	22,808	34,281	R40,720	R52,015	280,271	43,168
Montana	5,028	5,773	8,348	7,981	56,277	7,908
Nebraska	10,895	13,509	15,234	R16,945	118,934	15,797
Nevada	12,358	17,758	18,423	19,852	182,023	20,142
New Hampshire	1,936	2,640	2,874	2,852	20,907	2,367
New Jersey	50,766	70,799	76,848	91,683	640,438	79,968
New Mexico	11,874	11,069	14,377	R13,868	128,942	14,345
New York	98,645	122,491	128,504	R135,629	1,266,560	130,968
North Carolina	15,080	20,029	R21,182	29,204	229,293	27,732
North Dakota	3,826	3,576	5,277	4,871	36,968	5,102
Ohio	70,286	108,585	117,646	R144,947	R853,499	R125,192
Oklahoma	R32,878	R37,973	R40,030	R42,038	434,568	42,462
Oregon	18,202	20,853	24,926	21,583	212,753	23,199
Pennsylvania	NA	NA	R80,369	R97,252	658,247	91,421
Rhode Island	7,140	10,152	7,850	9,111	80,135	11,399
South Carolina	10,441	12,101	12,786	16,242	150,696	15,504
South Dakota	3,339	4,634	4,871	R4,383	32,782	5,532
Tennessee	22,306	27,420	29,379	43,477	264,677	36,983
Texas	259,096	280,561	274,619	R309,403	3,686,703	316,412
Utah	11,148	13,022	17,404	R20,115	137,373	18,934
Vermont	837	1,091	1,005	1,195	10,410	949
Virginia	NA	22,827	26,989	34,420	252,542	37,124
Washington	29,428	32,064	34,661	33,009	305,698	29,098
West Virginia	9,707	11,351	12,602	R15,195	103,710	12,722
Wisconsin	26,098	54,615	53,130	R54,169	388,915	63,137
Wyoming	R4,892	5,065	5,914	6,770	68,032	7,009
Total	R1,622,822	R2,048,635	R2,137,352	R2,464,639	R20,891,578	R2,410,771

See footnotes at end of table.

Table 19. Natural Gas Deliveries to All Consumers, by State, 1999-2001
 (Million Cubic Feet) — Continued

State	2000					
	November	October	September	August	July	June
Alabama	23,153	20,238	20,018	25,539	23,969	23,057
Alaska	12,428	12,384	10,109	13,775	11,570	10,317
Arizona	16,769	13,582	15,531	19,057	16,802	14,469
Arkansas	21,287	15,222	14,869	18,180	16,026	16,113
California	196,849	193,726	185,997	212,309	189,304	179,444
Colorado	27,332	18,670	14,881	15,382	15,111	16,554
Connecticut	11,136	7,688	5,595	6,025	5,494	5,955
Delaware	2,964	2,895	2,052	1,969	2,150	3,721
District of Columbia	2,276	1,495	1,258	1,207	1,256	1,455
Florida	34,259	38,172	42,773	48,294	48,128	44,588
Georgia	35,970	24,018	22,422	26,198	27,070	24,703
Hawaii	240	233	227	221	235	242
Idaho	6,316	4,292	3,468	2,977	3,239	3,698
Illinois	104,404	54,739	40,938	38,121	36,018	38,999
Indiana	50,183	36,256	31,150	30,071	28,313	29,648
Iowa	22,410	13,985	11,463	10,918	10,404	11,062
Kansas	NA	13,091	17,788	22,968	19,610	14,442
Kentucky	20,929	11,938	9,776	9,513	8,912	9,433
Louisiana	123,040	123,887	122,921	144,518	110,296	105,332
Maine	841	552	359	229	337	352
Maryland	18,972	12,136	9,570	11,080	10,234	12,861
Massachusetts	26,585	21,331	16,297	17,292	17,726	19,098
Michigan	73,002	50,281	38,350	37,993	34,422	42,429
Minnesota	35,041	18,833	15,360	14,016	13,056	16,793
Mississippi	16,355	14,906	15,903	22,149	21,105	19,420
Missouri	21,358	16,175	11,316	16,203	14,212	11,973
Montana	5,995	3,782	2,565	2,086	2,290	2,754
Nebraska	9,200	6,230	8,198	6,154	8,487	6,349
Nevada	17,346	16,003	14,931	16,715	13,688	13,839
New Hampshire	1,772	1,055	767	712	720	946
New Jersey	50,846	36,032	27,334	37,718	33,154	34,808
New Mexico	10,979	8,780	8,467	9,723	9,153	8,900
New York	97,055	80,662	79,748	77,558	79,691	81,595
North Carolina	19,785	13,884	11,503	13,651	12,686	15,333
North Dakota	3,502	2,637	1,794	1,784	1,065	2,651
Ohio	78,829	49,400	36,168	35,892	35,631	37,099
Oklahoma	28,517	25,046	33,804	42,050	38,165	33,548
Oregon	18,385	16,133	14,804	14,598	15,091	14,277
Pennsylvania	57,938	38,968	30,250	29,170	28,072	31,789
Rhode Island	6,383	5,291	3,154	3,179	4,096	4,129
South Carolina	12,069	10,047	8,813	10,211	9,716	9,726
South Dakota	3,636	1,726	1,634	2,042	1,662	1,586
Tennessee	22,113	16,954	14,683	14,547	14,146	14,404
Texas	270,336	283,828	307,570	368,667	341,728	324,880
Utah	17,107	10,091	7,420	6,592	6,584	6,742
Vermont	941	761	641	614	602	711
Virginia	21,653	13,017	11,716	12,929	14,348	14,847
Washington	29,640	27,313	23,940	24,575	21,629	22,976
West Virginia	7,736	6,332	5,326	5,310	5,261	5,589
Wisconsin	39,761	23,529	17,335	17,647	15,502	15,636
Wyoming	6,487	4,113	3,758	3,394	3,229	4,028
Total	1,761,074	1,442,339	1,356,717	1,523,721	1,401,393	1,385,300

See footnotes at end of table.

Table 19. Natural Gas Deliveries to All Consumers, by State, 1999-2001

(Million Cubic Feet) — Continued

State	2000					1999
	May	April	March	February	January	Total
Alabama	24,789	24,687	25,544	31,560	31,082	295,414
Alaska	10,343	12,371	14,108	13,134	15,724	150,054
Arizona	13,011	11,364	12,786	15,556	16,672	142,216
Arkansas	18,388	18,902	24,746	26,020	25,803	249,371
California	165,860	147,024	182,233	183,311	197,058	2,070,537
Colorado	19,257	26,790	32,290	35,959	39,134	271,006
Connecticut	7,720	9,850	14,238	18,201	16,369	131,143
Delaware	4,630	4,534	4,452	5,170	5,846	55,936
District of Columbia	2,064	2,948	3,735	5,287	5,038	31,993
Florida	49,164	45,854	48,283	42,890	45,861	510,162
Georgia	*28,238	27,382	31,402	39,187	50,064	322,758
Hawaii	243	235	245	243	246	2,735
Idaho	4,220	5,566	6,600	7,207	8,608	64,414
Illinois	46,463	75,944	94,247	122,928	153,814	980,610
Indiana	34,564	44,691	53,012	68,703	79,673	552,765
Iowa	12,924	17,355	21,556	27,033	32,575	223,514
Kansas	15,884	19,016	22,427	27,735	31,088	240,458
Kentucky	10,590	15,192	18,468	24,180	30,846	194,425
Louisiana	112,006	100,558	110,744	110,385	127,946	1,265,867
Maine	396	695	779	839	1,052	6,054
Maryland	13,336	16,940	20,301	26,408	28,038	191,596
Massachusetts	25,573	29,682	36,370	49,100	35,872	336,565
Michigan	58,965	80,288	97,787	120,937	130,133	882,566
Minnesota	14,404	25,996	31,600	41,391	NA	317,798
Mississippi	22,097	19,408	20,822	24,299	28,171	266,595
Missouri	16,265	21,114	28,115	40,295	40,077	259,431
Montana	3,188	4,775	6,102	7,238	7,594	55,095
Nebraska	6,198	10,259	12,441	14,387	15,233	118,478
Nevada	13,532	12,713	13,978	13,131	16,003	150,698
New Hampshire	1,353	2,002	2,940	3,066	3,207	20,310
New Jersey	38,657	54,015	69,789	90,487	87,629	612,707
New Mexico	8,453	10,555	12,763	12,681	14,143	124,829
New York	93,702	115,129	155,079	145,657	129,715	1,209,656
North Carolina	15,371	16,859	23,876	30,155	28,459	210,291
North Dakota	2,029	3,167	3,756	4,425	5,057	38,160
Ohio	48,856	71,664	91,256	114,573	128,939	828,223
Oklahoma	36,089	37,534	36,594	38,488	42,272	449,005
Oregon	13,955	15,611	20,300	21,926	24,475	198,402
Pennsylvania	36,429	55,462	71,741	89,196	97,810	635,761
Rhode Island	5,507	7,280	8,125	10,629	10,963	83,933
South Carolina	11,884	12,757	14,670	18,272	17,028	154,036
South Dakota	1,652	2,192	3,170	3,628	4,319	28,903
Tennessee	16,353	21,233	22,727	34,546	35,988	261,242
Texas	340,701	296,019	264,192	283,278	289,092	3,507,315
Utah	7,555	9,240	15,150	14,907	17,053	133,301
Vermont	732	909	1,097	1,319	1,135	8,024
Virginia	15,265	20,528	23,906	33,927	33,281	255,556
Washington	19,834	20,729	26,245	28,154	31,565	256,042
West Virginia	7,390	8,386	11,179	14,210	14,268	103,951
Wisconsin	21,091	31,822	37,049	47,013	59,394	369,839
Wyoming	5,339	7,006	7,249	8,367	8,053	60,596
Total	*1,502,507	1,652,233	1,912,266	2,191,620	2,351,637	19,890,341

^R Revised Data.

NA Not Available.

Notes: Geographic coverage is the 50 States and the District of Columbia. Gas volumes delivered for use as vehicle fuel are included in the annual total for commercial deliveries but not in the monthly components. See

Appendix A, Explanatory Note 5 for discussion of computations and revision policy.

Sources: Form EIA-857, "Monthly Report of Natural Gas Purchases and Deliveries to Consumers" and Form EIA-759, "Monthly Power Plant Report."

Table 20. Average City Gate Price, by State, 1999-2001

(Dollars per Thousand Cubic Feet)

State	YTD 2001	YTD 2000	YTD 1999	2001				
				July	June	May	April	March
Alabama	7.19	3.55	2.97	5.62	6.47	6.98	6.33	6.90
Alaska	2.40	1.60	1.31	1.91	2.68	2.23	2.20	2.55
Arizona	5.83	3.47	2.45	3.68	4.24	4.92	5.22	5.31
Arkansas	NA	NA	2.83	NA	NA	NA	NA	NA
California	8.51	3.44	2.35	2.92	8.08	7.32	7.52	8.36
Colorado	5.14	2.86	2.03	3.14	3.21	3.94	5.21	4.73
Connecticut	NA	6.01	4.68	7.96	NA	8.87	9.97	8.65
Delaware	6.21	3.04	3.61	4.80	4.63	5.15	5.96	6.10
District of Columbia	—	—	—	—	—	—	—	—
Florida	6.62	4.10	3.30	3.98	4.56	5.75	6.50	6.30
Georgia	NA	3.58	3.64	NA	6.43	5.77	NA	6.65
Hawaii	8.07	7.85	4.93	7.92	7.76	7.91	7.57	7.42
Idaho	5.33	2.85	1.85	3.60	4.20	6.00	5.24	4.10
Illinois	6.93	3.73	2.72	3.80	4.56	5.03	6.09	5.19
Indiana	NA	3.08	2.26	NA	NA	NA	NA	NA
Iowa	NA	3.84	3.00	NA	5.40	6.52	6.47	6.06
Kansas	7.40	3.76	2.63	4.17	4.84	6.45	6.59	5.92
Kentucky	NA	3.93	3.13	NA	6.45	7.18	5.53	5.89
Louisiana	NA	3.76	2.43	NA	4.60	5.64	6.06	NA
Maine	NA	4.86	4.11	6.61	NA	11.90	5.84	6.53
Maryland	7.75	4.26	3.17	6.85	7.62	8.14	5.23	6.51
Massachusetts	7.41	4.54	3.49	7.38	6.73	5.78	6.40	6.00
Michigan	4.26	3.06	2.81	4.36	4.46	4.61	4.90	3.60
Minnesota	6.92	3.59	2.76	4.32	4.84	5.51	6.00	5.51
Mississippi	NA	3.42	2.65	4.32	4.68	5.43	6.33	NA
Missouri	7.37	3.93	3.09	6.38	6.47	7.66	^7.35	5.60
Montana	4.75	2.97	2.48	2.56	2.33	3.85	4.09	5.03
Nebraska	7.61	3.59	3.03	4.31	4.96	6.28	7.20	6.52
Nevada	NA	3.90	2.15	3.63	3.95	NA	6.54	5.53
New Hampshire	5.19	4.24	3.73	5.67	^3.59	4.75	4.77	4.88
New Jersey	7.90	4.91	3.96	8.33	8.06	9.65	8.41	6.15
New Mexico	4.95	2.75	2.04	2.48	2.80	3.71	4.55	4.75
New York	NA	NA	2.75	3.38	3.97	5.22	NA	5.37
North Carolina	8.33	4.31	3.10	5.96	6.07	7.25	7.20	7.05
North Dakota	NA	4.00	2.75	NA	2.93	4.76	5.64	6.00
Ohio	NA	5.62	4.88	NA	8.49	6.29	11.56	9.95
Oklahoma	7.21	NA	2.77	4.92	5.85	6.61	5.95	6.89
Oregon	4.75	3.30	2.73	5.03	4.85	4.70	4.25	4.45
Pennsylvania	NA	4.39	3.43	6.58	6.75	7.41	NA	NA
Rhode Island	7.72	3.44	3.95	7.28	9.96	9.90	8.79	8.49
South Carolina	7.62	4.23	3.27	5.39	5.83	6.94	6.87	6.34
South Dakota	NA	4.19	3.40	NA	3.01	7.30	7.50	6.58
Tennessee	6.98	3.75	2.76	4.10	4.91	5.55	5.99	6.30
Texas	NA	3.30	2.67	4.45	4.78	5.61	5.71	NA
Utah	5.97	3.36	2.78	5.94	5.48	5.53	5.51	6.35
Vermont	5.94	3.73	2.96	5.72	5.85	6.08	6.11	6.08
Virginia	7.27	4.19	3.63	6.71	7.52	8.13	4.72	6.61
Washington	NA	3.18	2.42	NA	4.07	5.41	5.14	5.13
West Virginia	NA	3.55	3.58	4.53	NA	NA	5.98	NA
Wisconsin	NA	3.55	2.89	5.17	NA	NA	6.41	6.13
Wyoming	7.24	4.28	3.36	5.26	3.85	6.38	6.91	8.98
Total	6.89	3.82	2.96	4.13	5.36	5.89	^6.44	6.19

See footnotes at end of table.

Table 20. Average City Gate Price, by State, 1999-2001

(Dollars per Thousand Cubic Feet) — Continued

State	2001		2000					
	February	January	Total	December	November	October	September	August
Alabama	8.60	7.12	4.39	6.00	5.62	6.00	5.12	5.22
Alaska	2.53	2.44	1.60	1.61	1.62	1.62	1.60	1.58
Arizona	6.25	7.91	4.57	7.07	5.51	5.36	4.95	4.81
Arkansas	NA	NA	NA	NA	NA	NA	NA	NA
California	9.42	12.64	4.31	7.30	5.09	5.17	4.98	4.13
Colorado	5.01	7.10	3.53	5.13	4.04	4.24	3.32	3.56
Connecticut	10.03	11.06	6.73	8.35	7.06	7.30	9.62	7.12
Delaware	7.33	8.30	3.41	4.19	5.44	4.49	2.74	2.53
District of Columbia	—	—	—	—	—	—	—	—
Florida	6.18	10.21	5.07	7.92	6.37	6.65	5.45	4.87
Georgia	8.05	8.90	4.57	7.09	5.74	5.31	5.09	5.17
Hawaii	8.78	9.17	8.41	9.81	9.43	9.09	9.04	8.69
Idaho	4.69	6.94	4.00	6.70	4.67	5.27	3.85	3.60
Illinois	6.89	10.53	5.01	7.83	5.33	6.39	6.05	5.12
Indiana	NA	NA	4.26	6.20	4.54	5.40	5.23	3.59
Iowa	8.01	9.35	5.06	7.38	5.81	6.41	5.84	5.45
Kansas	8.32	10.13	4.61	6.21	5.21	6.46	5.87	4.91
Kentucky	8.65	9.15	4.92	6.75	5.79	6.14	5.18	5.17
Louisiana	6.96	10.43	NA	NA	5.61	5.93	5.23	4.28
Maine	7.57	6.97	5.33	5.98	4.41	8.22	7.91	8.06
Maryland	6.85	10.03	5.36	7.33	5.86	7.62	6.25	6.70
Massachusetts	7.64	9.42	5.29	6.90	5.48	6.93	7.90	7.17
Michigan	3.52	4.40	3.23	3.67	3.44	3.48	3.32	3.33
Minnesota	7.28	9.37	4.90	7.35	5.66	5.95	5.67	4.92
Mississippi	6.44	9.68	4.59	7.85	5.50	5.73	5.09	4.57
Missouri	7.07	8.73	4.92	6.09	5.49	6.76	7.18	6.89
Montana	5.31	7.34	3.54	5.11	4.27	3.93	3.39	2.86
Nebraska	8.10	9.46	4.52	6.03	5.11	5.89	5.23	4.59
Nevada	5.64	6.71	4.82	6.35	6.28	5.26	4.74	4.09
New Hampshire	5.21	6.06	5.32	8.08	7.20	6.24	6.66	6.42
New Jersey	7.48	8.82	NA	NA	5.74	7.94	9.17	7.49
New Mexico	5.81	5.56	3.79	6.04	4.98	4.91	3.66	3.16
New York	6.47	8.99	NA	NA	NA	NA	NA	NA
North Carolina	R 9.60	9.87	5.09	6.78	5.77	6.38	6.08	5.21
North Dakota	6.48	9.50	4.77	6.20	5.41	5.81	4.66	4.55
Ohio	10.34	7.87	6.10	7.17	5.69	7.58	6.74	7.86
Oklahoma	9.58	6.59	NA	5.58	5.60	4.94	3.57	4.48
Oregon	4.67	5.26	3.86	4.86	4.87	4.66	3.71	4.18
Pennsylvania	NA	NA	5.21	6.33	5.67	6.40	6.66	5.43
Rhode Island	5.95	7.40	4.09	7.38	4.47	7.15	5.65	5.60
South Carolina	7.88	10.46	5.09	6.82	5.87	6.56	6.15	5.47
South Dakota	7.68	9.94	4.81	6.29	4.55	5.57	5.06	5.66
Tennessee	7.73	9.28	4.84	7.27	5.67	5.71	4.77	3.95
Texas	7.01	9.10	4.29	6.90	5.26	5.49	5.02	4.21
Utah	6.41	5.83	3.64	4.26	3.87	3.88	3.43	3.74
Vermont	5.99	5.68	4.26	5.21	5.34	5.11	4.39	4.49
Virginia	7.65	8.11	5.43	8.19	6.39	5.62	7.29	6.87
Washington	6.48	9.87	NA	NA	NA	NA	3.67	3.76
West Virginia	4.26	4.25	3.79	3.74	4.00	5.47	2.86	7.33
Wisconsin	6.61	9.93	4.42	5.85	5.12	5.79	5.63	5.04
Wyoming	7.01	8.07	5.09	7.97	5.53	5.46	4.51	4.34
Total	R 7.25	8.90	4.65	6.81	5.20	5.64	5.17	4.59

See footnotes at end of table.

Table 20. Average City Gate Price, by State, 1999-2001

(Dollars per Thousand Cubic Feet) — Continued

State	2000							1999
	July	June	May	April	March	February	January	Total
Alabama	5.50	5.70	4.20	3.40	3.43	3.05	2.95	3.21
Alaska	1.53	1.59	1.62	1.60	1.64	1.56	1.61	1.32
Arizona	5.66	5.21	3.84	3.54	3.05	2.97	2.70	2.72
Arkansas	NA	2.81						
California	4.70	4.42	3.44	3.40	2.90	2.88	2.59	2.61
Colorado	4.05	3.71	2.91	2.82	2.31	2.99	2.34	2.31
Connecticut	7.54	7.99	6.62	5.67	5.59	6.00	5.40	4.91
Delaware	2.37	2.99	2.82	2.74	3.04	3.29	3.80	3.45
District of Columbia	—	—	—	—	—	—	—	—
Florida	5.05	5.32	4.07	4.12	3.57	3.55	3.86	3.49
Georgia	4.81	4.81	3.67	3.29	3.31	3.31	3.32	2.95
Hawaii	8.17	8.46	8.84	8.05	6.96	7.40	7.14	5.62
Idaho	5.32	4.08	3.13	3.15	2.64	2.52	2.50	2.23
Illinois	5.96	7.23	4.38	3.47	3.30	3.13	2.93	3.00
Indiana	5.08	4.60	3.02	2.91	2.44	2.67	2.55	2.46
Iowa	6.39	5.45	7.00	3.72	3.75	3.47	3.03	3.30
Kansas	5.57	4.82	4.02	3.44	3.48	3.61	3.21	2.96
Kentucky	5.11	4.88	4.94	3.55	3.90	3.88	3.65	3.27
Louisiana	4.75	4.84	3.68	3.85	3.39	3.30	2.96	2.70
Maine	10.85	7.08	4.17	5.01	6.13	2.92	4.08	4.61
Maryland	8.23	8.46	6.79	4.47	4.18	3.94	3.53	3.45
Massachusetts	7.99	9.07	5.87	4.22	3.90	4.69	3.29	3.74
Michigan	3.33	3.02	3.00	3.06	2.90	3.01	3.11	2.83
Minnesota	5.64	5.22	3.64	3.33	3.63	3.27	3.02	3.06
Mississippi	4.82	3.61	3.96	2.91	3.50	3.32	3.10	2.88
Missouri	7.35	7.33	5.62	4.33	3.68	3.40	3.07	3.34
Montana	3.50	3.25	2.90	2.80	3.02	3.05	2.72	2.57
Nebraska	5.54	5.11	3.73	3.69	3.36	3.54	2.97	3.12
Nevada	5.77	5.24	4.39	4.01	3.55	3.50	3.24	2.59
New Hampshire	6.92	4.96	3.96	4.16	4.65	3.91	3.80	4.07
New Jersey	9.01	10.86	6.02	4.91	4.12	3.70	3.89	4.55
New Mexico	3.78	3.77	2.96	2.70	2.50	2.36	2.50	2.24
New York	NA	2.92						
North Carolina	5.99	6.44	4.47	4.05	3.83	3.99	3.57	3.33
North Dakota	8.28	4.78	4.12	3.59	3.66	3.81	3.49	3.07
Ohio	8.41	5.89	7.94	5.93	6.73	4.85	4.98	4.83
Oklahoma	4.14	3.19	3.36	2.88	3.01	2.66	NA	2.84
Oregon	4.70	4.22	3.59	3.31	3.04	3.14	2.97	2.93
Pennsylvania	7.83	7.48	6.08	4.28	4.72	3.87	3.44	3.65
Rhode Island	5.36	4.87	3.74	2.92	3.17	3.30	3.45	4.19
South Carolina	5.93	5.73	4.55	4.14	3.84	3.84	3.60	3.46
South Dakota	6.92	6.39	7.12	4.09	3.83	4.04	3.26	3.52
Tennessee	5.74	5.05	3.89	3.74	3.28	3.74	3.06	3.15
Texas	4.46	4.41	3.08	3.20	2.87	2.97	2.98	2.84
Utah	3.15	3.14	2.73	3.09	3.68	3.44	3.45	2.98
Vermont	4.08	4.05	4.10	3.71	3.80	3.56	3.46	2.85
Virginia	7.40	6.32	7.25	3.28	4.01	4.10	3.71	3.81
Washington	4.96	5.00	3.22	3.68	2.94	2.87	2.75	2.63
West Virginia	4.97	4.12	3.06	3.26	3.54	3.57	3.45	3.40
Wisconsin	5.88	5.67	4.20	3.41	3.44	3.20	2.94	3.08
Wyoming	4.88	4.56	4.04	4.05	4.09	4.37	4.39	3.59
Total	5.15	5.17	4.15	3.70	3.54	3.50	3.30	3.16

R Revised Data.

NA Not Available.

— Not Applicable.

Notes: Geographic coverage is the 50 States and the District of Columbia. Prices in this table represent the average price of natural gas by State at the

point where the gas transferred from a pipeline to a local distribution company within the State. See Appendix A, Explanatory Note 5 for discussion of computations and revision policy.

Source: Form EIA-857, "Monthly Report of Natural Gas Purchases and Deliveries to Consumers."

Table 21. Average Price of Natural Gas Delivered to Residential Consumers, by State, 1999-2001

(Dollars per Thousand Cubic Feet)

State	YTD 2001	YTD 2000	YTD 1999	2001				
				July	June	May	April	March
Alabama	11.84	8.40	7.93	16.16	15.87	14.65	12.08	12.53
Alaska	4.26	3.51	3.65	4.91	4.63	4.36	4.16	4.19
Arizona	9.98	9.20	8.71	14.63	13.55	11.69	10.47	9.47
Arkansas	NA	7.46	6.63	NA	NA	NA	NA	NA
California	12.34	7.22	6.48	8.63	11.25	11.58	11.89	13.73
Colorado	8.87	5.37	5.13	12.64	11.39	10.05	9.52	9.03
Connecticut	NA	10.84	10.30	14.95	NA	12.28	13.10	12.21
Delaware	10.63	7.86	8.41	14.33	13.67	12.36	11.14	10.78
District of Columbia	13.50	8.88	8.30	11.58	11.55	14.96	13.62	13.11
Florida	16.00	12.20	11.07	17.51	17.57	18.95	18.02	19.04
Georgia	NA	7.49	3.81	14.94	11.03	10.81	NA	9.44
Hawaii	22.29	21.11	18.46	22.14	21.99	22.11	21.71	22.10
Idaho	8.16	5.69	5.23	9.85	9.39	8.93	8.76	8.53
Illinois	10.78	6.04	5.05	9.41	10.33	10.35	9.28	9.62
Indiana	NA	6.42	5.96	NA	NA	NA	NA	NA
Iowa	NA	6.70	5.65	NA	11.16	10.43	9.34	8.48
Kansas	10.32	6.65	5.65	12.90	12.50	11.74	9.76	9.19
Kentucky	NA	6.30	5.41	NA	15.16	13.35	10.87	9.95
Louisiana	NA	7.15	6.20	NA	9.36	9.42	8.69	9.36
Maine	12.24	8.87	7.58	17.96	R17.07	10.45	15.54	11.39
Maryland	12.09	8.67	7.96	7.31	14.63	14.37	12.68	10.82
Massachusetts	13.21	9.26	9.74	14.99	R14.09	14.29	14.39	14.17
Michigan	5.35	5.08	5.01	8.59	7.69	7.17	5.40	4.93
Minnesota	10.01	6.15	5.29	8.82	8.76	9.30	8.67	8.73
Mississippi	NA	6.47	5.61	11.37	11.54	10.80	10.60	NA
Missouri	10.60	6.71	5.99	15.24	14.17	12.87	11.19	10.76
Montana	7.20	5.60	4.99	8.81	8.10	7.67	7.40	7.40
Nebraska	8.98	5.56	4.69	9.17	8.97	9.20	8.08	8.25
Nevada	8.42	6.54	7.10	11.28	10.02	9.36	8.95	8.47
New Hampshire	12.29	8.33	7.23	16.39	R14.83	10.90	11.76	13.02
New Jersey	7.33	7.53	7.35	8.60	8.40	8.13	7.76	7.35
New Mexico	10.23	5.85	5.12	8.96	10.88	12.47	13.43	13.44
New York	12.08	NA	8.80	14.83	14.28	13.43	11.32	10.99
North Carolina	12.63	8.68	7.84	16.67	14.85	14.09	12.58	12.56
North Dakota	9.08	5.32	5.00	9.18	9.91	9.24	8.25	8.32
Ohio	10.59	6.51	6.00	13.49	12.36	11.71	10.89	10.87
Oklahoma	8.87	6.36	5.39	12.62	12.23	11.37	9.61	8.70
Oregon	9.18	7.55	7.02	10.79	10.18	9.49	9.25	9.09
Pennsylvania	NA	7.89	8.16	16.40	15.22	NA	NA	11.20
Rhode Island	11.86	9.10	9.23	14.68	R13.70	12.49	11.98	11.60
South Carolina	12.86	8.89	8.29	13.81	13.40	12.35	12.17	12.38
South Dakota	NA	6.41	5.42	NA	NA	9.26	9.28	8.30
Tennessee	10.82	6.87	6.11	11.55	11.78	11.16	9.89	8.51
Texas	10.10	6.36	5.65	10.79	12.04	10.70	9.49	8.85
Utah	8.52	6.24	5.23	9.36	8.82	9.59	7.97	8.82
Vermont	9.56	7.67	6.88	12.58	11.56	10.39	9.46	9.26
Virginia	12.55	8.61	8.21	17.33	16.41	15.51	12.15	11.27
Washington	NA	6.58	5.77	NA	10.72	10.33	10.09	10.09
West Virginia	NA	7.36	7.29	12.92	R12.14	NA	7.32	NA
Wisconsin	NA	6.55	6.07	7.72	NA	NA	9.58	8.73
Wyoming	9.08	5.26	5.00	12.25	10.03	11.79	R6.15	13.00
Total	10.24	7.01	6.44	11.00	R11.51	11.04	R10.10	9.86

See footnotes at end of table.

Table 21. Average Price of Natural Gas Delivered to Residential Consumers, by State, 1999-2001

(Dollars per Thousand Cubic Feet) — Continued

State	2001		2000					
	February	January	Total	December	November	October	September	August
Alabama	12.05	10.12	9.27	9.79	11.92	12.09	13.41	13.47
Alaska	4.17	4.11	3.57	3.90	3.41	3.52	3.74	3.88
Arizona	9.21	9.10	9.62	9.06	10.14	13.15	13.68	14.09
Arkansas	NA	NA	8.21	8.69	8.45	11.46	10.66	11.90
California	13.72	12.07	8.18	10.45	9.51	9.86	8.82	8.72
Colorado	8.60	7.15	6.03	6.61	7.19	7.43	9.24	9.06
Connecticut	13.51	13.09	11.29	11.81	11.99	12.65	13.32	12.81
Delaware	10.31	9.27	8.34	8.52	9.65	12.24	13.83	9.53
District of Columbia	13.64	13.79	9.97	12.28	12.78	13.52	14.02	9.97
Florida	15.60	12.63	13.27	13.83	15.95	16.23	16.62	16.44
Georgia	11.55	10.46	9.11	11.13	12.13	11.31	15.23	11.50
Hawaii	22.81	23.21	21.87	23.59	22.88	23.24	22.96	22.67
Idaho	7.96	7.15	6.29	7.05	7.29	7.59	7.85	8.19
Illinois	11.33	11.86	7.35	8.76	8.72	10.14	10.54	10.84
Indiana	NA	NA	6.99	7.53	7.15	9.02	9.63	10.82
Iowa	9.76	11.16	7.86	9.55	8.08	9.98	12.81	13.34
Kansas	10.00	10.84	7.60	8.79	9.02	10.51	10.84	12.14
Kentucky	10.89	9.18	7.45	8.53	8.78	9.40	10.47	10.62
Louisiana	11.02	11.83	8.85	11.46	10.99	13.24	10.94	11.65
Maine	11.75	11.29	9.63	10.85	10.46	11.19	12.46	—
Maryland	12.85	11.94	9.52	9.79	10.21	12.88	15.33	14.69
Massachusetts	12.84	11.24	9.96	11.52	11.14	10.89	12.25	12.51
Michigan	4.92	4.87	5.17	4.82	5.17	5.77	6.86	7.38
Minnesota	9.39	12.62	7.20	8.88	7.86	9.15	9.44	9.12
Mississippi	8.74	11.78	7.32	8.34	8.76	10.14	10.49	9.56
Missouri	10.93	9.01	7.83	9.09	9.22	11.25	12.60	12.27
Montana	6.99	6.60	5.93	6.25	6.13	6.28	7.13	8.95
Nebraska	10.31	8.72	6.45	7.54	7.88	9.07	9.83	10.24
Nevada	8.31	7.11	6.63	6.29	6.33	7.47	7.98	8.44
New Hampshire	12.07	11.71	9.20	11.14	11.64	10.09	11.52	11.84
New Jersey	6.96	6.93	7.24	6.94	6.70	6.20	6.50	6.33
New Mexico	9.34	8.25	6.05	6.73	5.73	5.49	6.56	7.89
New York	12.04	12.24	NA	NA	NA	NA	NA	NA
North Carolina	R13.28	11.52	9.48	9.92	10.85	12.57	15.17	15.22
North Dakota	9.17	9.74	6.29	7.74	7.60	7.89	8.68	10.18
Ohio	11.02	9.31	7.54	9.26	9.25	9.23	10.40	10.70
Oklahoma	9.09	7.23	7.09	7.52	8.60	9.08	10.96	10.57
Oregon	8.94	8.78	8.06	8.82	9.08	9.32	9.33	9.92
Pennsylvania	11.23	10.09	8.50	9.21	9.26	10.22	10.68	11.93
Rhode Island	11.55	11.34	9.92	11.08	13.38	12.01	12.15	12.16
South Carolina	13.41	12.92	9.60	10.57	11.51	10.86	12.04	12.39
South Dakota	10.40	11.20	7.33	8.62	7.72	9.11	11.03	11.19
Tennessee	14.43	10.15	7.68	8.67	9.29	9.61	10.68	11.22
Texas	9.08	11.21	7.33	8.04	8.52	10.58	11.28	11.15
Utah	8.44	8.26	6.22	6.30	6.15	6.01	5.76	6.77
Vermont	9.23	9.18	8.13	9.34	8.88	8.49	9.93	10.09
Virginia	12.73	12.15	9.90	11.27	11.09	14.16	15.81	15.77
Washington	9.70	8.22	NA	7.97	NA	8.71	9.30	8.92
West Virginia	7.05	6.97	7.50	7.16	7.65	8.25	10.16	10.86
Wisconsin	9.05	12.21	7.58	9.44	8.52	8.73	8.55	8.81
Wyoming	8.91	7.54	6.01	7.74	6.59	6.62	6.65	7.58
Total	R10.32	10.04	7.72	8.59	8.60	9.43	9.94	10.22

See footnotes at end of table.

Table 21. Average Price of Natural Gas Delivered to Residential Consumers, by State,**1999-2001**

(Dollars per Thousand Cubic Feet) — Continued

State	2000							1999
	July	June	May	April	March	February	January	Total
Alabama	13.23	12.23	9.53	9.08	9.21	7.21	7.41	8.34
Alaska	4.20	3.86	3.66	3.45	3.53	3.36	3.34	3.64
Arizona	14.76	12.42	11.19	9.23	8.43	9.08	7.88	9.13
Arkansas	12.00	11.25	14.80	7.18	5.14	7.16	6.58	7.22
California	8.90	8.35	7.75	7.17	7.05	6.99	6.30	6.62
Colorado	7.94	6.80	5.90	5.33	5.10	5.08	4.96	5.38
Connecticut	13.50	13.08	11.02	11.04	10.54	10.51	10.49	10.54
Delaware	9.66	9.41	7.19	8.25	7.96	7.76	7.40	8.63
District of Columbia	9.68	8.59	9.87	9.28	8.99	8.69	8.54	8.70
Florida	14.86	14.99	14.18	13.27	11.95	10.62	10.79	11.59
Georgia	10.37	11.49	7.13	6.31	8.44	7.36	6.74	4.37
Hawaii	22.09	22.20	22.11	20.93	20.37	20.31	19.99	18.97
Idaho	7.23	6.22	6.00	5.74	5.61	5.56	5.45	5.42
Illinois	11.19	9.87	8.60	6.23	5.71	5.32	5.12	5.50
Indiana	10.33	9.79	8.43	6.62	6.38	6.16	5.41	6.03
Iowa	12.12	13.08	12.10	6.91	6.26	5.73	5.27	6.10
Kansas	10.70	9.86	8.09	6.85	6.41	6.04	5.99	5.98
Kentucky	10.17	9.64	8.52	6.75	6.21	6.04	5.56	5.72
Louisiana	11.13	11.24	10.08	6.81	6.99	6.13	5.97	6.83
Maine	12.32	10.98	10.45	8.96	9.30	8.10	7.87	7.47
Maryland	15.45	13.77	11.46	8.96	8.71	7.67	7.38	8.41
Massachusetts	11.26	9.51	9.35	9.79	9.41	8.86	8.91	9.25
Michigan	7.30	6.70	5.63	5.11	4.94	4.79	4.77	5.13
Minnesota	9.64	8.93	7.04	6.11	5.86	5.75	5.66	5.56
Mississippi	9.24	10.17	5.87	7.79	6.86	5.66	5.82	5.99
Missouri	11.58	10.67	8.35	6.92	6.34	6.07	6.16	6.36
Montana	8.11	7.19	6.42	5.27	5.43	5.28	5.25	5.16
Nebraska	9.85	8.46	6.95	5.72	5.38	5.06	4.76	5.06
Nevada	8.11	7.67	7.18	6.79	6.25	6.25	6.07	7.14
New Hampshire	11.47	8.50	7.56	7.18	8.81	8.32	8.32	7.67
New Jersey	9.52	9.15	7.60	7.58	7.58	7.16	7.29	7.46
New Mexico	9.54	4.70	9.11	4.99	6.04	5.26	5.72	5.03
New York	NA	11.13	9.63	8.84	8.65	8.08	8.26	9.12
North Carolina	14.80	12.53	10.95	8.47	9.07	7.58	8.27	8.33
North Dakota	10.16	7.57	6.66	5.36	5.04	4.73	4.75	5.32
Ohio	9.74	8.71	7.30	6.43	6.30	6.09	6.18	6.24
Oklahoma	10.42	9.89	7.64	6.32	6.23	5.57	5.80	5.97
Oregon	9.30	8.42	7.91	7.18	7.48	7.42	7.33	7.13
Pennsylvania	11.44	10.12	8.62	8.08	7.79	7.46	7.31	8.30
Rhode Island	11.97	10.64	9.28	9.46	8.73	8.59	8.87	9.53
South Carolina	11.07	10.44	9.05	8.86	9.53	8.40	8.76	8.46
South Dakota	10.87	10.19	9.27	6.24	5.97	5.87	5.36	5.83
Tennessee	10.12	9.04	7.90	8.60	7.15	6.08	6.18	6.53
Texas	10.50	9.97	7.39	6.91	6.20	5.49	5.27	6.09
Utah	6.99	6.99	6.82	6.36	5.91	6.16	6.16	5.37
Vermont	9.89	8.89	8.11	7.71	7.45	7.33	7.42	7.18
Virginia	15.74	13.66	10.47	9.15	8.42	7.78	7.65	8.61
Washington	7.85	7.12	6.77	6.54	6.46	6.43	6.39	5.88
West Virginia	10.85	9.60	7.80	7.50	7.22	7.02	7.03	7.42
Wisconsin	9.21	9.56	6.59	7.10	6.49	6.19	5.99	6.17
Wyoming	7.50	6.17	5.45	5.38	5.05	4.94	5.00	5.11
Total	10.19	9.29	8.08	7.11	6.85	6.55	6.32	6.69

^R Revised Data.

NA Not Available.

— Not Applicable.

Notes: Data for 1999 are final. All other data are preliminary unless otherwise indicated. Geographic coverage is the 50 States and the District

of Columbia. See Appendix A, Explanatory Note 5 for discussion of computations and revision policy.

Source: Form EIA-857, "Monthly Report of Natural Gas Purchases and Deliveries to Consumers."

Table 22. Average Price of Natural Gas Sold to Commercial Consumers, by State,**1999-2001**

(Dollars per Thousand Cubic Feet)

State	YTD 2001	YTD 2000	YTD 1999	2001				
				July	June	May	April	March
Alabama	10.53	7.08	6.51	11.31	11.40	11.22	10.68	10.90
Alaska	2.55	2.04	2.25	2.29	2.16	2.36	2.45	2.69
Arizona	7.87	6.72	6.12	8.23	8.02	8.11	7.53	7.57
Arkansas	NA	6.17	5.14	NA	NA	NA	NA	NA
California	11.48	6.48	5.96	7.06	9.31	10.40	11.17	13.70
Colorado	8.00	4.66	4.46	9.13	9.04	9.00	8.75	8.21
Connecticut	NA	6.55	6.52	6.87	NA	6.09	7.78	8.41
Delaware	9.38	6.38	6.85	10.98	10.64	10.81	10.10	7.96
District of Columbia	13.08	8.07	7.09	10.97	11.12	12.32	12.82	12.55
Florida	11.74	7.31	6.36	9.32	9.71	12.19	12.78	14.08
Georgia	NA	4.52	3.38	7.28	7.13	7.74	NA	9.77
Hawaii	17.55	16.80	13.60	17.24	17.17	17.22	16.78	17.31
Idaho	NA	4.99	4.64	8.29	8.25	8.21	8.17	7.81
Illinois	10.09	5.69	4.79	7.37	9.12	8.86	8.61	9.10
Indiana	NA	5.61	5.16	NA	NA	NA	NA	NA
Iowa	NA	5.49	4.50	NA	7.59	8.47	7.68	7.57
Kansas	9.66	6.05	4.96	8.39	9.61	10.13	8.66	8.83
Kentucky	NA	5.73	4.84	NA	NA	11.23	9.58	9.70
Louisiana	NA	6.56	5.36	NA	6.57	7.32	7.58	NA
Maine	11.22	7.28	6.82	13.39	R12.71	R7.90	R13.48	R10.67
Maryland	10.95	7.20	6.77	9.26	10.53	10.97	10.94	9.92
Massachusetts	12.21	8.07	7.74	11.52	R11.64	12.59	12.54	13.99
Michigan	5.11	4.78	4.83	7.23	6.79	6.60	5.08	4.85
Minnesota	8.92	5.07	4.27	5.62	6.06	7.43	7.74	7.77
Mississippi	9.02	5.74	4.70	5.78	6.98	8.19	8.80	7.92
Missouri	10.12	5.95	5.35	10.90	10.85	10.20	10.46	10.77
Montana	6.67	5.48	4.95	8.04	7.72	7.87	7.52	9.50
Nebraska	8.09	4.64	4.01	5.22	6.13	6.92	7.22	7.79
Nevada	8.22	5.49	6.05	8.09	7.91	7.81	7.79	7.62
New Hampshire	11.52	7.70	6.61	12.87	R12.03	9.76	11.34	12.22
New Jersey	8.35	4.49	3.75	6.11	6.33	7.05	7.05	7.18
New Mexico	7.61	4.32	3.87	5.55	4.54	7.70	9.45	8.87
New York	8.30	NA	5.29	8.66	3.96	5.22	8.45	9.04
North Carolina	10.76	6.79	5.98	9.70	9.88	9.88	10.30	11.48
North Dakota	8.44	4.67	4.26	6.36	7.51	7.49	7.38	7.27
Ohio	10.08	6.05	5.43	11.71	11.04	11.26	10.58	10.44
Oklahoma	9.01	5.87	4.84	9.75	9.52	8.79	8.67	8.61
Oregon	5.98	6.09	5.49	2.34	2.62	7.51	7.70	7.69
Pennsylvania	NA	7.25	7.37	12.05	11.44	12.14	12.07	NA
Rhode Island	NA	7.63	7.95	12.25	NA	10.82	10.44	10.36
South Carolina	10.96	7.21	6.49	9.23	9.04	9.65	10.11	10.64
South Dakota	NA	5.01	4.22	NA	R6.90	7.20	7.66	7.20
Tennessee	9.99	5.95	5.46	8.43	R9.22	9.04	8.80	8.88
Texas	8.45	4.97	4.32	5.81	6.29	8.34	7.29	8.36
Utah	7.09	4.62	3.94	7.05	6.90	6.87	6.54	7.28
Vermont	7.70	6.20	5.51	7.04	7.99	7.73	7.76	7.69
Virginia	NA	6.41	5.81	10.05	9.95	9.47	NA	9.34
Washington	NA	5.53	4.85	NA	NA	9.04	9.04	9.05
West Virginia	NA	6.44	6.39	7.14	6.54	6.58	6.38	NA
Wisconsin	NA	5.43	4.72	5.56	NA	NA	8.31	7.87
Wyoming	9.05	4.44	4.35	9.55	8.67	11.04	11.72	10.00
Total	8.87	5.58	5.21	6.91	6.82	R8.39	R8.83	8.98

See footnotes at end of table.

Table 22. Average Price of Natural Gas Sold to Commercial Consumers, by State,**1999-2001**

(Dollars per Thousand Cubic Feet) — Continued

State	2001		2000					
	February	January	Total	December	November	October	September	August
Alabama	11.06	9.46	7.77	8.99	9.50	8.95	8.72	8.62
Alaska	2.75	2.73	2.06	2.31	2.11	1.97	1.92	1.86
Arizona	8.40	7.47	6.92	7.24	8.12	7.07	6.96	6.78
Arkansas	NA	NA	7.33	9.10	7.74	11.69	8.00	7.72
California	13.76	11.91	7.37	10.15	8.74	8.41	7.86	7.11
Colorado	7.94	6.78	5.20	6.15	6.42	5.85	6.05	6.05
Connecticut	9.78	10.05	6.56	8.31	7.08	5.91	4.48	3.94
Delaware	11.18	7.78	6.94	8.10	7.37	7.86	18.62	7.51
District of Columbia	13.98	14.07	8.81	11.63	11.64	10.60	10.00	8.25
Florida	12.98	10.02	7.80	9.25	8.44	8.25	8.42	8.39
Georgia	11.36	10.90	5.31	7.35	7.41	7.32	6.52	6.52
Hawaii	18.15	18.91	17.29	18.30	18.11	18.15	17.96	17.48
Idaho	NA	6.55	5.57	6.43	6.71	6.69	6.46	6.34
Illinois	10.85	11.23	6.94	8.68	8.47	9.54	9.10	9.34
Indiana	NA	NA	6.09	6.91	6.24	7.20	6.49	7.38
Iowa	8.69	9.11	6.61	8.83	7.18	7.67	8.70	8.27
Kansas	9.88	10.56	6.93	8.67	8.75	8.87	7.66	8.34
Kentucky	10.26	8.68	6.79	8.44	7.95	8.56	7.94	8.49
Louisiana	10.41	12.12	8.30	12.20	11.75	11.27	8.93	8.74
Maine	10.89	—	5.93	1.76	3.10	5.00	9.58	—
Maryland	12.29	10.99	7.92	8.41	8.64	10.70	10.42	9.86
Massachusetts	12.33	10.51	8.48	10.36	9.48	8.89	6.59	8.69
Michigan	4.80	4.83	4.85	4.74	4.91	5.29	5.62	5.89
Minnesota	9.43	11.44	6.03	8.17	6.86	7.30	6.67	5.91
Mississippi	8.32	11.65	6.41	7.96	7.01	7.65	6.80	6.45
Missouri	10.62	9.05	6.90	8.97	8.38	8.32	8.27	7.98
Montana	5.01	6.82	5.86	6.32	6.27	6.30	6.79	7.88
Nebraska	9.86	8.41	5.49	7.41	6.59	7.44	6.16	5.70
Nevada	7.65	9.88	5.53	5.49	5.49	5.71	5.82	5.86
New Hampshire	11.73	11.18	8.44	10.78	10.37	8.75	9.08	8.87
New Jersey	9.69	9.68	4.79	7.63	5.98	5.95	6.23	1.57
New Mexico	7.85	6.93	4.74	6.04	5.15	4.14	4.55	5.45
New York	11.07	9.63	NA	7.25	5.25	3.77	3.02	2.62
North Carolina	11.71	10.43	7.50	8.62	9.25	8.70	7.81	8.71
North Dakota	8.59	10.12	5.73	7.58	6.91	7.23	6.69	7.40
Ohio	10.73	8.84	6.98	8.80	8.71	8.37	8.64	8.95
Oklahoma	9.11	9.19	6.45	7.28	7.79	7.87	7.35	7.04
Oregon	7.59	7.52	6.48	7.53	7.55	6.97	6.33	6.39
Pennsylvania	NA	NA	7.70	8.56	8.25	8.75	7.55	8.93
Rhode Island	10.42	10.35	8.33	10.04	9.70	10.43	10.21	9.39
South Carolina	12.03	12.35	7.92	9.87	9.50	8.40	8.05	7.95
South Dakota	9.25	10.81	6.05	7.96	6.96	7.22	7.76	7.69
Tennessee	12.47	9.89	6.75	8.43	8.50	7.97	7.15	7.64
Texas	9.55	10.67	5.74	7.37	7.16	7.40	6.23	5.96
Utah	7.23	7.19	4.90	5.44	5.42	5.12	4.61	4.71
Vermont	7.70	7.72	6.49	7.72	7.20	6.28	6.45	6.35
Virginia	10.99	10.85	7.51	9.78	9.01	8.70	8.65	7.96
Washington	8.72	7.33	6.05	7.11	7.13	7.13	7.09	6.20
West Virginia	6.52	2.97	6.57	6.55	6.75	6.87	7.44	7.46
Wisconsin	8.30	11.11	6.37	8.36	7.32	7.08	6.64	6.24
Wyoming	8.00	6.96	5.20	7.39	6.09	5.77	5.19	5.57
Total	9.66	9.34	6.18	7.90	7.24	6.92	6.18	5.42

See footnotes at end of table.

Table 22. Average Price of Natural Gas Sold to Commercial Consumers, by State, 1999-2001

(Dollars per Thousand Cubic Feet) — Continued

State	2000							1999
	July	June	May	April	March	February	January	Total
Alabama	8.72	8.23	7.12	7.09	7.39	6.50	6.79	6.68
Alaska	1.76	2.02	1.91	1.96	2.13	2.12	2.16	2.18
Arizona	7.18	6.58	6.60	6.31	6.23	7.97	6.14	6.17
Arkansas	8.62	7.28	10.52	7.09	4.42	6.17	5.51	5.38
California	7.49	6.52	6.55	6.13	6.51	6.56	6.05	6.14
Colorado	5.50	5.01	4.78	4.60	4.52	4.59	4.55	4.55
Connecticut	4.99	6.16	5.26	7.01	6.27	6.82	7.97	6.53
Delaware	7.28	6.89	6.85	6.58	6.40	6.46	5.69	7.00
District of Columbia	7.19	7.25	7.77	8.15	8.34	8.55	7.89	7.38
Florida	8.12	7.79	7.49	7.24	7.12	6.98	6.87	6.50
Georgia	6.29	6.22	^1.86	5.22	5.18	5.15	5.37	3.87
Hawaii	17.41	17.66	17.59	16.71	16.09	16.12	16.02	14.33
Idaho	5.74	5.10	5.12	5.13	4.88	4.90	4.86	4.77
Illinois	9.98	10.39	7.63	5.92	5.41	5.08	4.95	5.20
Indiana	7.12	6.67	6.62	5.57	5.57	5.56	5.09	5.17
Iowa	7.75	8.95	9.59	5.48	5.17	4.91	4.57	4.79
Kansas	8.12	7.52	6.69	6.06	5.98	5.67	5.74	5.04
Kentucky	7.09	6.89	6.47	5.78	5.61	5.52	5.43	5.14
Louisiana	8.18	8.99	7.19	5.84	6.15	5.90	5.78	5.73
Maine	9.06	8.08	7.44	7.30	7.72	7.10	6.65	6.65
Maryland	9.07	8.64	7.20	8.09	7.27	7.07	6.36	6.94
Massachusetts	7.89	6.73	7.77	8.22	8.85	7.84	8.21	7.63
Michigan	6.01	5.53	5.00	4.80	4.69	4.65	4.66	4.87
Minnesota	6.66	6.33	5.21	5.00	4.94	5.00	4.66	4.44
Mississippi	6.65	8.85	5.58	5.84	5.58	5.19	5.13	4.88
Missouri	7.20	6.86	6.24	6.09	5.54	5.79	5.90	5.47
Montana	7.14	7.02	6.26	5.65	5.43	5.23	4.88	5.13
Nebraska	5.95	5.57	4.73	4.64	4.65	4.56	4.19	4.14
Nevada	5.80	5.66	5.65	5.50	5.39	5.44	5.36	6.02
New Hampshire	9.16	7.53	7.09	6.67	8.29	8.05	7.44	6.86
New Jersey	2.53	5.27	2.06	5.21	4.53	4.59	4.93	3.99
New Mexico	4.91	3.53	4.65	7.27	4.06	4.00	4.22	3.78
New York	2.57	2.89	3.53	NA	3.57	5.75	6.45	5.15
North Carolina	7.70	7.01	6.60	6.17	7.35	6.51	6.80	6.22
North Dakota	7.36	5.63	5.29	4.64	4.51	4.31	4.41	4.51
Ohio	8.03	7.33	6.61	5.86	5.86	5.84	5.96	5.58
Oklahoma	7.20	6.71	6.25	5.47	5.97	5.55	5.79	5.09
Oregon	6.48	6.16	6.07	6.06	6.06	6.06	6.04	5.66
Pennsylvania	8.43	7.91	7.87	7.50	7.31	7.11	6.77	7.29
Rhode Island	9.33	8.70	8.14	7.97	7.70	7.39	6.94	8.03
South Carolina	7.18	7.05	6.61	7.02	7.57	7.26	7.36	6.54
South Dakota	7.00	7.18	6.97	4.77	4.64	4.68	4.36	4.52
Tennessee	7.73	6.12	6.06	7.31	6.52	6.05	4.78	5.73
Texas	6.05	5.92	4.67	5.03	4.55	4.77	4.58	4.42
Utah	4.40	4.40	4.37	4.24	4.63	4.70	4.82	4.13
Vermont	6.44	6.38	6.20	6.17	6.17	6.18	6.20	5.69
Virginia	8.49	7.50	6.38	6.29	6.18	6.25	6.14	5.99
Washington	5.60	5.39	5.36	5.33	5.44	5.44	5.93	4.89
West Virginia	7.24	7.55	6.76	6.50	6.50	6.21	6.14	6.23
Wisconsin	6.65	6.47	4.96	6.03	5.47	5.21	5.13	4.84
Wyoming	5.27	4.92	4.70	4.80	3.76	4.51	4.41	4.38
Total	5.88	5.82	^5.47	5.63	5.33	5.68	5.55	5.33

^R Revised Data.

NA Not Available.

— Not Applicable.

Notes: Data for 1999 are final. All other data are preliminary unless otherwise indicated. Geographic coverage is the 50 States and the District of Columbia. Average prices for gas delivered to commercial consumers

reflect onsystem sales prices only. See Appendix A, Explanatory Note 5 for discussion of computations and revision policy. See Table 25 for data on onsystem sales expressed as a percentage of both total commercial and total industrial deliveries.

Source: Form EIA-857, "Monthly Report of Natural Gas Purchases and Deliveries to Consumers."

Table 23

**Table 23. Average Price of Natural Gas Sold to Industrial Consumers, by State,
1999-2001**
(Dollars per Thousand Cubic Feet)

State	YTD 2001	YTD 2000	YTD 1999	2001				
				July	June	May	April	March
Alabama	7.30	3.82	3.30	5.42	5.62	6.67	7.16	6.75
Alaska	1.53	1.46	1.21	1.53	1.49	1.52	1.51	1.55
Arizona	5.95	3.93	3.38	4.60	5.58	5.78	5.93	5.97
Arkansas	NA	NA	3.23	4.28	NA	4.39	4.20	4.44
California	9.79	4.61	3.22	6.07	8.32	8.86	11.74	11.68
Colorado	4.42	3.11	2.73	4.48	4.12	4.07	4.02	3.98
Connecticut	7.89	5.25	4.04	3.03	6.10	7.02	8.05	8.18
Delaware	7.27	4.45	3.91	6.67	6.91	8.22	7.38	11.56
District of Columbia	—	—	—	—	—	—	—	—
Florida	7.76	4.60	3.53	6.79	6.41	8.02	8.40	8.16
Georgia	NA	4.09	3.06	5.03	5.31	6.06	NA	7.80
Hawaii	11.30	9.35	8.20	11.07	11.17	11.23	11.08	11.04
Idaho	5.97	3.57	3.25	6.66	6.37	6.59	6.89	6.35
Illinois	6.19	4.56	3.68	2.03	3.90	2.71	5.17	7.02
Indiana	NA	4.35	4.24	NA	8.72	9.74	9.41	12.41
Iowa	NA	4.28	3.51	NA	8.02	6.30	7.87	9.41
Kansas	5.95	3.83	2.88	4.77	5.15	6.04	7.03	7.49
Kentucky	NA	3.98	3.11	NA	5.87	6.26	7.08	7.76
Louisiana	6.53	3.30	2.22	4.54	5.03	5.36	5.83	5.88
Maine	9.25	5.53	5.13	8.06	7.98	8.00	8.16	9.43
Maryland	NA	6.64	5.55	NA	10.20	10.66	11.71	13.58
Massachusetts	10.78	6.29	5.15	8.94	9.06	10.33	12.69	13.84
Michigan	4.51	4.05	3.79	5.19	5.63	5.62	4.30	4.36
Minnesota	6.44	3.68	2.74	3.81	4.32	5.57	6.24	6.02
Mississippi	6.78	3.88	3.02	4.81	4.58	6.05	6.08	6.44
Missouri	8.79	4.99	4.19	7.94	8.37	8.57	9.09	9.76
Montana	5.30	3.83	3.36	6.22	6.05	5.08	4.91	5.01
Nebraska	6.73	3.91	3.20	4.28	4.76	5.36	6.77	7.16
Nevada	6.76	4.50	4.67	6.93	7.41	7.39	6.86	7.32
New Hampshire	10.80	5.50	4.26	8.22	9.55	8.00	10.92	12.66
New Jersey	7.13	3.96	3.11	4.87	5.36	6.55	5.96	6.55
New Mexico	6.66	3.23	2.78	4.27	4.23	6.52	8.04	6.95
New York	8.79	4.90	3.50	6.04	5.73	6.79	7.98	8.66
North Carolina	7.53	4.46	3.40	5.48	5.25	5.87	6.80	6.40
North Dakota	6.66	3.47	2.56	3.68	4.50	5.47	5.83	5.81
Ohio	9.44	5.26	3.83	7.92	11.26	7.57	10.19	10.29
Oklahoma	8.24	4.50	3.45	9.11	8.18	7.97	7.90	7.89
Oregon	5.82	4.65	3.95	5.46	5.59	5.79	5.80	5.86
Pennsylvania	8.11	4.81	4.00	6.23	6.89	7.42	8.59	9.19
Rhode Island	7.13	4.69	4.37	5.22	5.70	7.11	7.24	7.40
South Carolina	6.71	4.32	3.09	4.50	5.11	6.30	6.61	6.64
South Dakota	6.93	3.58	3.16	5.19	5.84	5.89	5.66	6.42
Tennessee	7.69	4.52	3.52	5.94	6.37	6.81	7.04	7.40
Texas	5.57	3.38	2.27	3.46	3.91	4.79	5.37	5.34
Utah	5.59	3.20	2.91	4.89	4.42	5.14	5.52	5.88
Vermont	5.65	4.22	2.78	4.71	4.87	4.93	4.71	5.44
Virginia	7.59	4.47	3.78	5.01	4.89	5.61	6.14	6.51
Washington	NA	3.28	2.60	NA	6.58	5.25	5.73	3.76
West Virginia	NA	5.16	2.83	3.87	NA	NA	6.36	NA
Wisconsin	NA	4.53	3.90	4.55	NA	NA	7.75	7.04
Wyoming	7.32	3.50	3.31	8.06	7.52	7.92	7.65	7.39
Total	6.34	3.83	2.97	4.26	4.75	5.41	6.13	6.35

See footnotes at end of table.

Table 23. Average Price of Natural Gas Sold to Industrial Consumers, by State, 1999-2001

(Dollars per Thousand Cubic Feet) — Continued

State	2001		2000					
	February	January	Total	December	November	October	September	August
Alabama	8.73	9.81	4.46	6.47	5.02	5.56	5.06	4.50
Alaska	1.55	1.56	1.57	2.34	1.61	1.56	1.59	1.60
Arizona	6.74	8.07	4.42	6.19	4.15	5.32	5.22	4.30
Arkansas	NA	5.30	NA	3.22	4.35	2.95	4.56	4.10
California	11.11	8.95	5.59	9.44	6.26	7.14	6.84	5.55
Colorado	4.91	5.15	3.35	3.93	3.90	3.76	3.44	3.45
Connecticut	11.55	9.87	5.81	7.79	7.17	6.78	5.16	5.45
Delaware	4.62	7.39	5.04	6.60	5.37	4.74	7.00	5.79
District of Columbia	—	—	—	—	—	—	—	—
Florida	7.85	8.13	5.15	6.93	6.72	6.56	5.63	5.29
Georgia	9.75	10.30	4.52	5.87	5.33	5.43	4.81	4.35
Hawaii	11.84	11.65	10.17	11.93	11.80	11.16	10.77	11.21
Idaho	5.56	4.87	3.97	5.47	4.76	4.67	4.05	3.96
Illinois	9.57	10.59	5.78	8.05	7.60	7.66	6.49	6.41
Indiana	8.09	8.85	4.54	4.74	4.86	5.46	3.82	4.56
Iowa	8.36	9.46	5.36	7.66	6.04	6.28	5.99	5.29
Kansas	10.27	8.66	NA	6.58	NA	5.09	3.74	3.97
Kentucky	8.16	8.35	4.96	7.70	6.63	6.20	5.93	5.37
Louisiana	6.54	10.13	4.02	6.22	4.76	5.05	4.66	3.93
Maine	10.22	9.22	5.98	8.48	7.50	6.35	6.27	6.11
Maryland	21.16	17.19	7.31	8.55	7.36	8.24	7.84	8.26
Massachusetts	9.71	9.44	7.01	9.05	8.24	7.76	7.36	7.71
Michigan	4.30	4.25	4.22	4.31	4.79	4.71	4.64	4.41
Minnesota	6.78	11.91	4.48	6.72	5.31	5.83	5.07	4.24
Mississippi	6.95	11.40	4.57	6.18	5.38	6.16	5.25	4.57
Missouri	10.22	7.63	5.85	8.50	7.47	6.35	4.44	6.45
Montana	6.10	4.75	4.29	4.78	4.85	5.14	6.12	6.37
Nebraska	8.59	7.53	4.58	6.54	5.52	4.90	5.27	4.98
Nevada	7.27	5.46	5.11	6.10	6.26	7.78	6.54	4.62
New Hampshire	11.42	11.24	6.17	10.28	9.48	7.24	6.34	5.55
New Jersey	9.50	9.96	4.40	6.82	6.78	3.55	4.96	6.53
New Mexico	7.37	3.72	4.14	5.07	4.80	4.55	4.98	5.11
New York	10.27	14.24	5.00	5.36	5.13	5.13	4.95	4.98
North Carolina	12.01	9.84	5.18	6.23	9.66	5.81	5.14	7.84
North Dakota	7.08	9.82	4.28	6.30	5.09	5.86	5.05	4.46
Ohio	11.06	7.83	5.99	7.87	7.07	7.17	6.74	6.71
Oklahoma	7.90	8.85	5.09	6.60	6.41	5.59	5.72	5.49
Oregon	5.93	6.21	4.99	6.09	5.73	5.59	4.38	5.50
Pennsylvania	7.43	8.99	5.13	5.96	6.17	5.69	4.82	4.90
Rhode Island	7.99	9.03	5.38	7.09	6.41	6.37	7.09	5.16
South Carolina	7.97	10.41	4.88	6.99	5.61	6.12	5.61	4.80
South Dakota	8.75	7.91	4.36	6.57	5.16	5.27	4.58	3.51
Tennessee	10.26	8.58	4.94	7.04	5.10	5.16	5.26	5.00
Texas	6.31	9.14	4.34	6.55	5.17	5.45	4.95	4.23
Utah	6.18	6.58	3.77	5.55	4.72	4.53	3.92	3.87
Vermont	6.38	8.41	4.65	5.90	5.71	4.95	5.00	4.56
Virginia	9.60	10.11	5.14	8.08	6.17	4.72	4.66	4.89
Washington	6.71	7.42	NA	NA	4.78	3.48	3.25	2.75
West Virginia	6.69	8.68	5.44	5.61	5.22	7.69	6.02	5.16
Wisconsin	7.61	11.36	5.56	7.94	6.66	6.55	5.89	5.07
Wyoming	6.77	6.77	3.99	4.92	4.63	5.27	3.52	6.45
Total	7.28	8.68	4.50	6.49	5.39	5.32	4.91	4.40

See footnotes at end of table.

Table 23. Average Price of Natural Gas Sold to Industrial Consumers, by State,**1999-2001**

(Dollars per Thousand Cubic Feet) — Continued

State	2000							1999
	July	June	May	April	March	February	January	Total
Alabama	4.79	4.75	3.65	3.57	3.44	3.47	3.45	3.42
Alaska	1.55	1.51	1.40	1.49	1.43	1.41	1.40	1.25
Arizona	4.70	4.50	4.00	4.10	3.53	3.54	3.38	3.42
Arkansas	4.02	NA	2.85	2.80	2.83	2.44	2.86	3.45
California	5.75	5.09	4.53	4.45	4.37	4.45	3.82	3.34
Colorado	3.71	3.54	3.01	3.00	2.83	2.81	2.74	2.81
Connecticut	5.43	4.86	4.67	5.00	5.49	5.53	5.36	4.15
Delaware	7.18	5.14	4.90	5.05	3.98	5.40	2.64	4.07
District of Columbia	—	—	—	—	—	—	—	—
Florida	5.08	5.29	4.88	3.93	4.49	4.40	4.06	4.03
Georgia	4.58	4.43	3.90	3.89	3.68	4.00	4.31	3.41
Hawaii	10.21	10.20	10.13	9.57	8.53	8.48	8.28	8.21
Idaho	4.47	3.43	3.44	3.53	3.42	3.50	3.54	3.29
Illinois	6.65	5.16	4.92	4.33	5.05	3.78	4.06	4.06
Indiana	4.13	3.68	5.04	4.47	4.47	5.68	3.60	4.16
Iowa	5.21	3.55	6.15	4.26	4.25	3.88	4.14	3.98
Kansas	4.10	3.81	3.32	3.85	3.56	4.02	3.61	2.93
Kentucky	4.76	4.41	4.03	3.76	3.60	3.82	3.87	3.32
Louisiana	4.48	4.27	3.09	2.94	2.71	2.92	2.77	2.54
Maine	6.07	5.62	6.56	5.42	5.80	5.16	4.60	4.93
Maryland	6.84	6.87	6.35	5.99	6.67	7.89	5.67	5.69
Massachusetts	6.37	5.12	6.00	6.54	6.39	6.62	6.26	5.23
Michigan	4.48	4.67	4.17	4.08	4.18	3.80	3.87	3.69
Minnesota	4.98	4.72	3.53	3.46	3.29	3.31	3.28	2.98
Mississippi	4.96	4.71	3.64	3.71	3.49	3.52	3.43	3.24
Missouri	5.71	5.19	5.03	5.04	4.65	5.02	4.87	4.42
Montana	5.69	3.75	4.44	0.30	4.22	4.51	4.40	3.44
Nebraska	5.08	4.70	3.68	3.65	3.77	3.70	3.51	3.38
Nevada	5.43	3.95	4.39	3.66	4.68	5.08	4.33	4.76
New Hampshire	6.06	5.61	4.50	5.39	4.05	7.70	7.03	4.60
New Jersey	5.44	4.39	3.96	4.02	3.33	4.00	3.55	3.14
New Mexico	4.73	2.74	3.41	2.41	2.84	2.79	3.44	2.69
New York	4.81	4.97	5.30	4.80	4.75	4.98	5.14	3.89
North Carolina	5.12	3.99	3.61	4.21	4.71	5.13	5.04	3.78
North Dakota	4.76	4.68	5.33	3.21	3.07	3.02	2.91	2.80
Ohio	6.50	5.06	5.44	4.49	4.97	5.39	5.38	3.94
Oklahoma	5.05	5.35	3.87	4.31	4.32	4.90	4.18	3.51
Oregon	4.43	4.36	8.19	4.38	4.46	4.31	4.39	4.01
Pennsylvania	4.53	4.53	4.69	4.67	4.69	5.07	5.20	3.99
Rhode Island	5.64	5.42	4.77	4.67	5.34	5.54	2.61	4.40
South Carolina	5.14	5.15	4.10	4.01	3.94	4.16	4.03	3.39
South Dakota	4.25	4.03	3.83	3.39	3.52	3.46	3.37	3.35
Tennessee	5.41	4.59	4.25	4.78	4.32	4.36	4.20	3.72
Texas	4.63	4.25	3.31	3.08	2.79	2.72	2.54	2.55
Utah	3.03	3.02	3.16	2.69	3.44	3.39	3.45	2.94
Vermont	4.41	4.52	3.98	3.98	4.01	4.38	4.21	3.06
Virginia	4.66	3.91	4.15	4.57	4.27	4.09	5.58	3.95
Washington	2.82	2.92	3.26	3.50	3.36	3.50	3.39	2.78
West Virginia	5.54	5.38	2.69	6.09	5.02	5.62	5.59	3.04
Wisconsin	5.68	5.43	4.02	4.60	4.33	4.35	4.25	4.05
Wyoming	3.47	3.73	3.51	3.35	3.27	3.29	3.28	3.30
Total	4.61	4.24	3.69	3.67	3.59	3.69	3.46	3.10

^R Revised Data.

NA Not Available.

— Not Applicable.

Notes: Data for 1999 are final. All other data are preliminary unless otherwise indicated. Geographic coverage is the 50 States and the District of Columbia. Average prices for gas delivered to industrial consumers

reflect onsystem sales prices only. See Appendix A, Explanatory Note 5 for discussion of computations and revision policy. See Table 25 for data on onsystem sales expressed as a percentage of both total commercial and total industrial deliveries.

Source: Form EIA-857, "Monthly Report of Natural Gas Purchases and Deliveries to Consumers."

**Table 24. Average Price of Natural Gas Delivered to Electric Utility^a Consumers,
by State, 1999-2001**
(Dollars per Thousand Cubic Feet)

State	YTD 2001	YTD 2000	YTD 1999	2001				
				June	May	April	March	February
Alabama	6.21	4.56	2.52	5.21	5.08	5.88	6.26	^b 6.05
Alaska	2.21	1.67	1.65	2.32	2.27	2.32	2.13	2.13
Arizona	5.67	3.72	2.43	3.94	4.46	5.35	5.69	6.76
Arkansas	6.23	3.52	2.31	4.16	5.24	6.68	5.49	6.31
California	11.08	3.83	2.62	8.26	10.64	10.04	10.33	14.57
Colorado	5.01	3.18	2.67	3.36	4.13	5.06	5.26	6.13
Connecticut	—	—	2.49	—	—	—	—	—
Delaware	6.55	4.81	2.71	4.76	—	7.55	6.94	7.43
District of Columbia	—	—	—	—	—	—	—	—
Florida	6.51	3.76	2.88	4.81	5.93	6.35	5.59	8.91
Georgia	5.06	4.08	2.30	3.82	5.21	5.93	8.07	6.90
Hawaii	—	—	—	—	—	—	—	—
Idaho	—	—	—	—	—	—	—	—
Illinois	5.57	3.82	2.21	5.23	4.44	6.18	5.57	6.44
Indiana	6.71	4.02	2.90	4.67	5.85	6.05	6.80	7.98
Iowa	5.97	3.75	3.06	4.81	6.49	6.35	6.23	7.11
Kansas	5.22	3.22	2.15	3.89	4.51	5.33	5.78	6.06
Kentucky	6.87	5.48	3.33	4.45	8.53	—	7.18	8.24
Louisiana	6.02	3.50	2.31	4.06	5.03	5.82	5.65	6.88
Maine	—	—	—	—	—	—	—	—
Maryland	—	4.28	2.88	—	—	—	—	—
Massachusetts	5.61	3.90	2.54	4.41	5.04	7.08	7.14	7.46
Michigan	4.06	2.67	1.51	4.52	5.08	5.03	5.32	5.11
Minnesota	6.00	3.55	2.54	4.80	4.66	5.74	5.31	7.83
Mississippi	5.46	3.39	2.25	4.07	4.77	5.52	5.37	6.38
Missouri	5.37	3.54	2.37	4.68	4.37	5.82	4.89	6.09
Montana	7.98	4.20	3.86	7.94	7.66	7.25	8.32	9.73
Nebraska	5.99	3.89	2.50	3.55	3.78	6.88	5.80	9.75
Nevada	8.00	3.33	2.36	7.06	7.04	6.24	7.60	9.05
New Hampshire	—	3.27	2.44	—	—	—	—	—
New Jersey	—	4.18	2.85	—	—	—	—	—
New Mexico	5.39	3.06	2.04	3.92	4.94	5.45	6.07	6.06
New York	8.23	4.02	2.62	9.26	5.31	6.12	6.32	8.12
North Carolina	5.75	4.05	2.87	5.34	6.06	7.81	—	—
North Dakota	6.31	—	—	—	6.28	—	6.52	—
Ohio	9.36	3.89	2.77	9.49	9.45	9.22	9.50	9.51
Oklahoma	6.11	3.65	2.53	4.14	5.41	6.07	6.42	6.23
Oregon	4.20	2.54	1.91	3.59	3.72	4.12	4.32	4.16
Pennsylvania	7.85	3.55	2.61	—	—	—	5.53	7.29
Rhode Island	—	—	—	—	—	—	—	—
South Carolina	6.47	5.26	3.45	6.28	5.84	6.49	6.89	7.24
South Dakota	—	—	—	—	—	—	—	—
Tennessee	—	—	—	—	—	—	—	—
Texas	5.53	3.32	2.23	4.04	4.79	5.48	5.38	6.09
Utah	5.01	3.33	2.37	4.11	3.93	4.32	4.78	6.30
Vermont	4.90	4.11	2.56	4.67	4.63	5.84	5.84	7.69
Virginia	6.81	3.97	3.07	5.00	7.54	10.08	22.19	34.18
Washington	—	—	—	—	—	—	—	—
West Virginia	8.49	3.95	2.99	7.87	9.37	6.80	8.45	10.14
Wisconsin	6.12	3.61	2.77	4.65	5.66	6.07	5.88	6.57
Wyoming	4.30	4.12	4.16	2.66	3.71	4.06	5.06	4.91
Total	5.93	3.45	2.38	4.51	5.14	5.70	5.69	^b6.85

See footnotes at end of table.

**Table 24. Average Price of Natural Gas Delivered to Electric Utility^a Consumers,
by State, 1999-2001**

(Dollars per Thousand Cubic Feet) — Continued

State	2001	2000						
	January	Total	December	November	October	September	August	July
Alabama	9.75	4.72	1.18	9.80	6.70	4.84	4.02	4.47
Alaska	2.12	1.78	1.96	1.98	1.97	1.82	1.77	1.75
Arizona	9.53	4.96	8.65	6.07	5.49	4.93	4.45	4.70
Arkansas	8.88	4.42	10.81	6.37	5.31	5.24	4.43	4.69
California	12.35	6.04	19.91	7.68	6.19	6.01	4.85	4.68
Colorado	7.11	4.18	7.93	4.97	4.00	3.73	3.94	4.06
Connecticut	—	—	—	—	—	—	—	—
Delaware	10.46	4.84	11.14	8.39	7.84	6.53	5.30	6.05
District of Columbia	—	—	—	—	—	—	—	—
Florida	10.87	4.57	6.63	5.57	6.24	5.54	4.73	5.10
Georgia	7.23	4.41	10.85	8.94	8.81	5.32	4.02	4.21
Hawaii	—	—	—	—	—	—	—	—
Idaho	—	—	—	—	—	—	—	—
Illinois	9.49	4.94	10.60	6.57	6.50	6.30	4.38	4.74
Indiana	7.71	5.62	7.71	5.80	6.61	5.97	4.38	4.43
Iowa	5.31	4.60	7.04	5.54	5.98	5.43	4.57	4.61
Kansas	9.10	4.23	8.79	5.74	5.12	4.91	4.41	3.99
Kentucky	10.32	5.65	7.22	5.81	6.26	5.28	4.73	5.09
Louisiana	10.07	4.54	8.97	5.64	5.62	5.19	4.47	4.64
Maine	—	—	—	—	—	—	—	—
Maryland	—	4.61	—	—	—	5.90	5.17	4.69
Massachusetts	13.46	4.55	8.93	5.56	5.94	5.58	5.07	4.74
Michigan	1.33	2.72	2.81	3.16	1.88	1.85	3.26	3.13
Minnesota	11.79	4.49	6.52	5.62	5.73	3.82	4.70	4.76
Mississippi	10.26	4.17	9.29	5.76	5.44	5.10	4.31	3.74
Missouri	12.36	4.40	5.00	6.33	5.40	5.29	4.73	4.45
Montana	10.88	5.52	7.31	13.52	7.46	4.54	5.26	5.35
Nebraska	23.69	4.60	3.62	5.99	5.51	5.62	4.43	4.78
Nevada	10.52	5.02	11.56	7.48	4.87	5.07	4.56	4.13
New Hampshire	—	3.27	—	—	—	—	—	—
New Jersey	—	4.38	—	—	—	5.42	—	5.19
New Mexico	7.87	3.90	7.35	5.14	4.82	4.58	4.35	4.38
New York	17.03	4.72	10.22	5.65	6.07	5.65	4.72	4.70
North Carolina	—	4.52	8.79	7.57	5.60	5.54	4.90	4.28
North Dakota	—	—	—	—	—	—	—	—
Ohio	7.47	4.79	6.39	5.81	5.89	6.39	5.97	5.35
Oklahoma	10.20	4.53	7.76	5.29	5.83	5.10	4.39	4.54
Oregon	5.41	3.02	4.74	3.78	2.71	2.67	2.40	2.81
Pennsylvania	11.04	4.01	6.67	6.02	5.77	—	—	3.18
Rhode Island	—	—	—	—	—	—	—	—
South Carolina	10.98	5.62	9.82	7.02	6.55	6.34	6.26	5.42
South Dakota	—	—	—	—	—	—	—	—
Tennessee	—	—	—	—	—	—	—	—
Texas	9.01	4.24	7.95	5.23	5.34	4.81	4.32	4.34
Utah	6.92	4.05	6.15	5.23	4.66	3.57	3.60	3.58
Vermont	—	4.91	7.05	6.54	5.60	5.56	4.70	4.40
Virginia	4.00	4.63	2.12	9.11	7.65	7.53	5.31	5.06
Washington	—	—	—	—	—	—	—	—
West Virginia	8.10	4.87	5.73	6.03	6.15	4.87	5.52	5.84
Wisconsin	8.65	4.63	7.23	5.43	5.92	5.29	4.77	4.94
Wyoming	5.00	3.96	4.22	3.47	1.09	8.55	4.61	3.42
Total	9.47	4.33	8.23	5.37	5.17	4.85	4.27	4.35

See footnotes at end of table.

Table 24. Average Price of Natural Gas Delivered to Electric Utility^a Consumers, by State, 1999-2001

(Dollars per Thousand Cubic Feet) — Continued

State	2000						1999	
	June	May	April	March	February	January	Total	December
Alabama	5.00	4.75	3.45	1.41	2.94	4.94	2.98	3.72
Alaska	1.63	1.74	1.75	1.63	1.64	1.62	1.59	1.57
Arizona	4.75	3.77	3.40	3.01	2.94	2.64	2.67	2.62
Arkansas	4.72	3.79	3.20	2.99	2.86	2.84	2.59	2.60
California	4.87	4.19	3.54	3.38	3.23	2.83	2.76	2.74
Colorado	3.96	3.48	3.08	2.86	2.78	2.51	2.65	2.66
Connecticut	—	—	—	—	—	—	2.74	3.20
Delaware	5.10	4.20	5.87	5.86	5.86	3.61	2.98	3.81
District of Columbia	—	—	—	—	—	—	—	—
Florida	5.15	3.89	3.68	3.36	3.33	3.03	3.10	2.95
Georgia	4.19	3.93	3.89	3.41	11.20	1.20	2.57	2.85
Hawaii	—	—	—	—	—	—	—	—
Idaho	—	—	—	—	—	—	—	—
Illinois	5.11	3.64	3.57	3.11	3.14	2.78	2.41	2.37
Indiana	5.80	4.42	4.19	3.52	3.33	3.29	2.97	3.26
Iowa	5.25	3.81	3.43	3.26	3.19	3.00	3.15	3.14
Kansas	3.87	3.54	3.15	2.92	2.69	2.56	2.36	2.57
Kentucky	6.06	7.17	5.83	4.93	3.59	3.17	3.49	2.93
Louisiana	4.75	3.62	3.22	2.97	2.96	2.71	2.59	2.49
Maine	—	—	—	—	—	—	—	—
Maryland	4.95	4.16	3.69	3.35	3.72	3.84	3.20	3.60
Massachusetts	4.97	3.97	3.67	3.40	3.42	2.98	2.72	3.39
Michigan	3.17	2.85	3.16	3.19	2.06	1.78	1.53	1.58
Minnesota	4.28	3.54	3.27	3.13	3.56	2.62	2.69	3.23
Mississippi	4.44	3.76	3.17	2.84	2.94	2.66	2.49	2.52
Missouri	4.51	3.77	3.23	2.99	2.85	2.75	2.66	2.78
Montana	4.94	3.37	3.53	3.88	3.71	4.13	2.01	1.39
Nebraska	4.33	4.07	3.53	3.31	3.24	2.87	2.80	3.05
Nevada	4.19	3.56	3.03	2.90	2.69	2.99	2.51	2.72
New Hampshire	—	3.70	3.47	3.19	3.18	—	2.67	—
New Jersey	4.77	3.79	3.77	3.51	4.15	4.98	3.08	3.69
New Mexico	4.27	3.35	2.99	2.66	2.58	2.47	2.31	2.39
New York	4.82	3.97	3.55	3.47	4.20	3.96	2.85	3.14
North Carolina	4.27	3.70	3.82	4.28	4.35	4.21	2.92	4.72
North Dakota	—	—	—	—	—	—	—	—
Ohio	3.39	5.49	1.25	4.03	4.60	3.46	3.15	4.20
Oklahoma	4.67	3.73	3.30	3.20	3.44	3.08	2.79	3.07
Oregon	3.35	2.75	2.50	2.27	2.20	2.22	1.96	2.20
Pennsylvania	5.09	3.42	3.28	3.07	3.35	3.24	3.03	3.08
Rhode Island	—	—	—	—	—	—	—	—
South Carolina	5.36	5.03	4.39	4.07	7.47	8.54	3.57	4.06
South Dakota	—	—	—	—	—	—	—	—
Tennessee	—	—	—	—	—	—	—	—
Texas	4.40	3.50	3.06	2.83	2.73	2.59	2.51	2.60
Utah	3.79	3.45	3.13	2.96	2.83	2.86	2.65	2.68
Vermont	4.66	3.83	3.56	3.32	3.33	3.09	3.23	2.92
Virginia	5.48	4.09	4.00	3.21	4.01	3.23	3.16	3.69
Washington	—	—	—	—	—	—	—	—
West Virginia	4.19	3.75	4.19	4.10	3.07	4.36	3.00	—
Wisconsin	4.86	3.80	3.49	3.23	3.16	3.22	2.93	2.97
Wyoming	4.27	3.72	3.31	2.94	2.70	2.82	3.89	1.98
Total	4.45	3.63	3.23	3.00	2.96	2.74	2.62	2.68

^a Includes all steam electric utility generating plants with a combined capacity of 50 megawatts or greater.

* Revised Data.

— Not Applicable.

Notes: Data for 1999 are final. All other data are preliminary unless

otherwise indicated. Geographic coverage is the 50 States and the District of Columbia.

Sources: Form FERC-423, "Monthly Report of Cost and Quality of Fuels for Electric Plants," and Form EIA-176, "Annual Report of Natural and Supplemental Gas Supply and Disposition."

Table 25

Table 25. Percentage of Total Deliveries Represented by Onsystem Sales, by State, 1999-2001

State	YTD 2001		YTD 2000		YTD 1999		2001	
	Commercial	Industrial	Commercial	Industrial	Commercial	Industrial	July	
							Commercial	Industrial
Alabama	80.6	13.3	78.0	15.4	77.4	22.5	71.7	13.5
Alaska	66.9	90.8	72.7	93.3	52.7	99.7	70.6	91.5
Arizona	92.4	54.1	83.9	36.4	83.9	34.1	92.8	65.5
Arkansas	NA	NA	84.0	NA	89.8	9.3	NA	10.3
California	62.3	3.2	58.0	5.7	60.0	10.4	60.1	4.2
Colorado	99.9	8.3	98.9	13.0	97.4	11.7	100.0	2.2
Connecticut	NA	52.9	78.0	44.3	65.8	58.5	77.8	37.6
Delaware	98.6	18.2	98.2	10.2	99.0	20.1	100.0	15.2
District of Columbia	26.9	—	39.2	—	48.3	—	19.0	—
Florida	55.7	2.7	64.5	2.8	95.3	5.7	46.3	1.4
Georgia	NA	NA	12.4	7.4	83.1	22.6	11.0	5.5
Hawaii	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
Idaho	83.6	2.4	87.7	2.8	87.5	2.8	61.6	1.6
Illinois	41.3	12.7	41.4	8.4	44.7	9.7	26.7	5.4
Indiana	NA	NA	78.2	7.6	80.2	6.1	NA	NA
Iowa	NA	NA	79.0	6.5	84.6	7.4	NA	NA
Kansas	64.0	5.6	60.2	10.3	70.4	8.4	52.0	15.6
Kentucky	NA	NA	85.0	15.2	88.6	18.2	NA	NA
Louisiana	NA	6.9	96.6	9.6	94.2	8.0	NA	5.3
Maine	100.0	70.7	100.0	56.2	100.0	79.6	100.0	50.8
Maryland	40.5	3.5	NA	5.5	34.7	6.0	28.2	1.9
Massachusetts	60.9	17.4	61.8	14.3	55.0	16.3	49.0	13.5
Michigan	64.8	10.0	58.6	7.8	58.9	10.0	41.6	5.0
Minnesota	98.6	40.7	95.9	37.5	97.2	38.7	98.8	38.8
Mississippi	93.6	26.1	95.4	36.6	96.5	26.8	93.4	25.9
Missouri	83.6	15.3	80.7	15.7	80.4	20.8	67.9	8.9
Montana	76.9	2.5	73.0	1.9	79.1	1.6	68.6	0.9
Nebraska	62.4	18.6	59.9	14.6	64.5	15.0	60.6	7.3
Nevada	68.1	4.8	55.3	5.7	63.6	8.6	82.0	36.5
New Hampshire	90.1	27.3	90.6	37.5	94.2	22.9	84.0	10.0
New Jersey	44.1	22.9	42.2	39.3	55.4	47.5	36.7	3.2
New Mexico	63.2	19.6	55.0	18.1	62.3	13.8	62.4	3.8
New York	59.3	5.3	NA	16.3	59.6	2.5	22.3	17.1
North Carolina	96.2	33.6	97.6	53.0	94.5	47.9	87.1	21.3
North Dakota	90.1	9.4	88.7	16.7	88.4	14.4	83.8	1.1
Ohio	42.8	3.8	41.7	2.8	48.4	4.7	26.9	0.7
Oklahoma	67.7	3.7	75.5	3.7	74.8	4.1	33.6	1.5
Oregon	98.3	15.4	99.3	12.7	98.8	15.0	90.9	26.5
Pennsylvania	NA	9.8	59.0	10.3	58.7	11.9	57.4	6.4
Rhode Island	62.0	3.3	56.9	9.7	57.1	4.1	44.1	100.0
South Carolina	91.7	81.4	98.8	84.4	97.1	85.8	51.5	77.9
South Dakota	NA	24.8	80.9	34.3	82.2	41.7	NA	13.8
Tennessee	93.3	21.5	92.0	24.7	88.9	35.2	85.4	19.0
Texas	49.2	23.5	81.2	20.9	77.6	18.8	50.2	23.9
Utah	85.5	10.3	84.2	9.7	83.0	9.7	76.4	95.6
Vermont	100.0	78.1	100.0	83.8	100.0	77.3	100.0	66.3
Virginia	NA	10.1	65.3	12.0	67.7	12.7	50.0	3.6
Washington	NA	17.8	93.0	21.5	89.2	26.7	NA	7.9
West Virginia	NA	NA	52.9	1.8	55.0	12.0	52.4	8.8
Wisconsin	NA	NA	79.2	20.5	79.7	21.0	68.8	11.6
Wyoming	68.6	4.9	90.0	2.8	91.9	3.3	84.4	2.6
Total	64.4	13.8	65.4	15.6	67.7	16.5	53.5	12.1

See footnotes at end of table.

Table 25. Percentage of Total Deliveries Represented by Onsystem Sales, by State, 1999-2001 — Continued

State	2001							
	June		May		April		March	
	Commercial	Industrial	Commercial	Industrial	Commercial	Industrial	Commercial	Industrial
Alabama	70.7	13.8	73.3	10.1	80.6	12.6	77.3	12.2
Alaska	73.2	92.8	65.6	97.2	65.7	99.7	67.9	99.6
Arizona	93.9	56.8	92.7	53.9	89.3	51.4	95.7	50.8
Arkansas	NA	NA	NA	10.8	NA	10.7	NA	13.6
California	66.5	5.0	63.0	5.8	52.2	6.7	64.6	8.5
Colorado	100.0	1.0	100.0	0.5	100.0	0.2	99.8	—
Connecticut	NA	46.8	77.5	61.3	73.1	52.8	77.8	53.5
Delaware	98.4	20.9	98.5	15.2	98.7	13.4	98.5	20.4
District of Columbia	21.3	—	23.9	—	24.1	—	28.8	—
Florida	49.5	4.6	53.4	4.2	57.7	3.5	56.8	2.8
Georgia	13.3	6.2	13.3	6.2	NA	NA	9.1	6.7
Hawaii	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
Idaho	64.3	1.7	69.5	2.1	86.4	2.1	88.6	2.5
Illinois	25.5	6.2	33.6	6.6	40.4	8.2	42.6	10.8
Indiana	NA	3.3	NA	3.8	NA	6.3	NA	6.5
Iowa	71.5	2.7	69.7	6.0	77.2	4.7	83.2	6.3
Kansas	52.9	7.9	55.4	6.4	67.1	2.4	64.8	2.6
Kentucky	63.9	13.3	73.6	15.0	75.6	12.0	82.7	16.4
Louisiana	95.6	3.2	95.7	4.3	97.2	8.6	NA	6.3
Maine	R100.0	R46.2	R100.0	R38.2	R100.0	R91.0	R100.0	R93.6
Maryland	28.2	2.4	30.4	4.1	35.2	3.3	46.2	3.9
Massachusetts	R45.7	19.6	48.7	22.7	61.8	25.2	63.9	42.5
Michigan	48.3	5.1	57.8	8.3	62.6	12.5	68.2	14.4
Minnesota	99.4	38.8	97.6	35.3	98.6	41.4	99.4	48.0
Mississippi	93.9	31.9	92.5	24.3	95.1	31.8	95.7	25.3
Missouri	69.8	9.5	71.6	10.4	82.6	13.5	83.5	18.0
Montana	69.0	1.9	68.7	2.3	75.1	2.6	61.8	2.8
Nebraska	56.1	14.9	51.4	17.6	53.7	18.7	60.7	27.5
Nevada	54.8	11.8	58.0	12.0	64.2	18.1	65.3	15.4
New Hampshire	R88.6	R13.4	82.5	21.4	92.1	60.2	90.4	30.9
New Jersey	37.7	R4.8	39.9	21.1	46.6	13.5	47.9	15.0
New Mexico	60.1	5.3	60.6	5.5	48.5	47.9	66.4	33.5
New York	55.1	18.9	56.2	20.9	65.0	17.6	66.5	21.1
North Carolina	88.3	25.3	93.5	28.6	96.1	30.0	96.9	28.5
North Dakota	82.0	5.6	85.8	5.9	88.9	8.3	89.4	16.8
Ohio	28.0	1.5	27.2	1.7	40.5	2.8	43.9	4.7
Oklahoma	R35.7	2.0	R49.7	1.8	R61.0	3.2	R74.7	4.3
Oregon	99.7	21.0	99.2	20.8	99.4	20.5	100.0	18.9
Pennsylvania	58.3	R4.0	59.2	6.2	62.3	8.2	NA	9.1
Rhode Island	52.6	100.0	60.2	100.0	63.9	100.0	62.5	100.0
South Carolina	96.0	77.4	96.5	76.5	97.4	81.5	96.8	81.4
South Dakota	R78.2	18.6	83.9	14.1	84.1	21.7	86.7	27.3
Tennessee	R87.5	22.3	88.2	18.1	92.8	18.0	92.8	22.3
Texas	58.2	24.8	34.1	21.3	50.6	22.0	50.4	21.3
Utah	76.9	95.5	80.0	94.8	84.6	92.2	85.7	94.0
Vermont	100.0	68.4	100.0	75.6	100.0	79.4	100.0	79.7
Virginia	59.5	16.3	57.0	8.8	NA	12.4	77.9	14.3
Washington	97.7	30.7	89.9	30.9	96.0	33.5	94.8	38.9
West Virginia	43.5	NA	52.6	NA	72.7	9.7	NA	NA
Wisconsin	NA	NA	NA	NA	75.5	17.3	73.8	25.1
Wyoming	97.2	3.3	93.6	2.8	66.5	4.8	57.3	7.3
Total	61.2	R12.4	55.8	12.0	63.3	13.8	66.0	14.4

See footnotes at end of table.

Table 25

Table 25. Percentage of Total Deliveries Represented by Onsystem Sales, by State, 1999-2001 — Continued

State	2001				2000			
	February		January		Total		December	
	Commercial	Industrial	Commercial	Industrial	Commercial	Industrial	Commercial	Industrial
Alabama	84.3	15.0	85.8	16.7	76.3	15.9	79.1	19.9
Alaska	64.6	99.6	65.3	99.6	73.3	93.3	74.3	99.6
Arizona	91.5	52.5	91.6	44.7	84.1	37.5	90.1	37.9
Arkansas	NA	NA	NA	14.6	86.0	NA	94.3	13.9
California	66.8	8.5	64.1	9.5	56.8	5.0	63.3	6.7
Colorado	100.0	0.1	99.9	—	97.9	12.7	97.1	0.1
Connecticut	74.4	51.2	76.5	68.4	78.4	47.9	78.9	49.9
Delaware	98.7	29.7	98.4	11.1	98.0	10.5	97.5	11.7
District of Columbia	28.2	—	32.5	—	34.7	—	31.9	—
Florida	59.2	3.7	62.1	4.7	62.5	2.7	62.9	3.2
Georgia	13.5	8.2	12.0	9.9	®10.2	7.5	6.2	24.8
Hawaii	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
Idaho	90.3	3.2	88.8	3.3	86.0	2.6	87.7	2.8
Illinois	43.7	13.6	46.6	13.4	40.6	8.6	42.2	12.6
Indiana	NA	13.3	NA	14.2	78.5	9.1	83.4	15.9
Iowa	84.9	8.8	92.6	8.0	79.2	7.1	82.6	12.0
Kansas	63.8	2.4	68.1	2.5	57.1	NA	58.9	2.9
Kentucky	84.0	18.9	88.0	23.7	84.2	15.0	82.6	17.7
Louisiana	97.0	8.3	96.2	8.5	96.1	9.1	95.0	8.7
Maine	®100.0	®98.4	—	®94.1	100.0	43.5	100.0	16.4
Maryland	45.4	4.8	44.6	7.8	NA	5.6	47.3	9.3
Massachusetts	63.4	34.6	67.4	34.6	62.0	13.2	66.8	30.2
Michigan	68.8	16.2	68.4	17.6	58.6	7.7	67.5	14.8
Minnesota	98.7	53.0	98.0	28.0	96.9	39.0	98.3	44.7
Mississippi	87.3	35.1	96.6	29.0	95.1	38.0	95.8	48.8
Missouri	85.6	15.7	89.4	23.7	79.0	15.9	83.6	24.0
Montana	88.2	3.1	76.3	3.0	74.4	1.9	81.5	0.2
Nebraska	61.8	26.8	78.2	23.1	59.9	14.6	53.2	19.2
Nevada	73.5	23.1	73.8	30.0	55.5	4.4	75.4	29.6
New Hampshire	91.9	35.8	90.3	30.7	86.7	34.8	80.6	31.7
New Jersey	43.6	26.3	44.1	25.5	45.2	32.9	44.5	22.0
New Mexico	68.0	29.7	67.9	25.2	58.9	22.4	69.8	17.3
New York	69.2	25.0	67.7	15.1	NA	18.3	67.2	51.7
North Carolina	98.2	31.0	98.8	38.3	96.4	49.5	96.7	36.4
North Dakota	92.2	13.9	92.3	15.3	89.4	15.9	92.9	25.1
Ohio	43.3	4.4	50.7	6.1	®41.1	2.7	45.4	3.5
Oklahoma	®75.4	4.9	82.4	8.2	73.6	3.7	81.9	7.3
Oregon	100.0	17.3	100.0	27.5	99.3	12.8	99.5	27.0
Pennsylvania	NA	13.6	NA	14.4	59.8	10.5	65.1	13.5
Rhode Island	64.9	100.0	64.4	100.0	53.9	9.4	55.7	100.0
South Carolina	98.3	86.5	99.0	91.1	98.4	83.5	98.3	81.2
South Dakota	85.1	34.3	88.3	43.5	82.2	28.8	89.0	42.9
Tennessee	95.0	22.8	95.8	26.8	90.9	24.7	93.5	21.9
Texas	48.3	22.8	56.0	23.6	79.8	22.7	81.0	30.1
Utah	87.6	94.2	88.4	94.9	84.3	10.3	87.4	94.2
Vermont	100.0	80.4	100.0	96.0	100.0	83.8	100.0	93.0
Virginia	79.8	16.7	75.3	19.3	66.8	13.2	74.3	10.3
Washington	94.9	37.0	95.1	39.7	90.2	NA	93.8	NA
West Virginia	80.3	6.9	76.8	6.5	53.7	2.1	73.5	4.3
Wisconsin	81.1	25.4	81.7	24.1	78.7	21.8	82.9	31.9
Wyoming	59.6	8.1	79.3	5.2	89.7	2.8	96.6	2.8
Total	67.0	15.6	68.9	15.8	®65.2	15.6	68.4	18.4

See footnotes at end of table.

Table 25. Percentage of Total Deliveries Represented by Onsystem Sales, by State, 1999-2001 — Continued

State	2000							
	November		October		September		August	
	Commercial	Industrial	Commercial	Industrial	Commercial	Industrial	Commercial	Industrial
Alabama	67.5	17.8	68.1	16.1	70.5	15.2	74.1	15.1
Alaska	72.2	99.6	73.4	99.6	75.1	99.7	76.9	99.9
Arizona	83.3	47.0	78.0	40.3	81.1	34.0	84.5	34.7
Arkansas	91.4	14.2	78.8	8.6	72.5	5.3	81.7	6.1
California	55.6	5.6	56.5	4.6	49.2	4.2	47.2	4.1
Colorado	95.4	0.2	95.4	0.4	95.9	1.8	96.6	3.2
Connecticut	75.8	55.5	79.9	57.8	82.7	36.9	81.1	64.3
Delaware	97.5	15.0	97.8	7.7	94.9	12.0	98.4	9.1
District of Columbia	26.5	—	22.9	—	19.9	—	21.7	—
Florida	57.9	2.6	58.9	3.6	58.0	3.5	59.7	3.3
Georgia	6.0	9.0	8.7	8.1	10.1	7.0	9.8	7.0
Hawaii	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
Idaho	82.4	2.3	75.7	2.4	80.2	1.9	81.7	2.5
Illinois	43.9	10.5	32.9	6.3	32.9	6.1	28.9	4.8
Indiana	79.7	15.4	73.6	9.3	70.9	9.3	67.6	8.0
Iowa	80.5	8.3	74.9	7.3	69.1	5.9	75.4	4.6
Kansas	43.5	NA	47.7	7.3	51.0	16.6	43.4	22.7
Kentucky	86.0	13.7	82.4	13.6	80.2	12.7	79.2	15.1
Louisiana	94.2	8.7	95.9	7.4	95.9	8.2	95.9	7.6
Maine	100.0	23.5	100.0	39.2	100.0	47.4	—	44.0
Maryland	39.1	2.5	35.3	10.3	27.8	8.9	30.6	3.6
Massachusetts	60.3	30.4	57.2	20.3	66.6	25.2	50.0	21.0
Michigan	59.7	9.8	50.2	7.7	43.0	4.5	41.1	5.0
Minnesota	97.5	43.7	98.9	42.3	99.0	33.7	98.6	41.2
Mississippi	94.3	47.5	94.1	49.5	93.8	44.3	92.8	49.9
Missouri	72.1	13.1	61.0	8.4	80.6	23.9	65.5	14.4
Montana	77.0	2.0	73.1	1.5	68.5	0.8	64.9	0.8
Nebraska	69.6	18.3	64.8	16.5	62.3	6.9	64.3	15.0
Nevada	54.7	20.0	48.3	14.2	44.3	11.0	42.2	11.1
New Hampshire	83.6	23.7	77.4	27.7	73.3	32.0	69.5	33.3
New Jersey	50.8	19.8	42.3	15.3	30.8	18.2	73.7	22.5
New Mexico	71.8	22.6	73.9	30.6	41.7	30.8	54.3	28.4
New York	65.1	53.5	66.4	51.0	67.8	58.1	68.1	54.4
North Carolina	89.5	24.3	99.5	61.7	99.8	59.0	84.5	26.4
North Dakota	91.8	19.5	88.0	11.7	82.6	9.0	83.8	9.8
Ohio	38.3	3.2	35.1	1.1	31.8	1.0	30.1	0.8
Oklahoma	75.3	3.8	60.2	2.9	51.1	2.5	49.3	2.5
Oregon	99.0	19.3	100.0	16.9	98.7	16.3	98.8	13.1
Pennsylvania	61.7	10.5	54.1	9.0	62.6	9.2	50.7	9.0
Rhode Island	46.5	100.0	40.6	100.0	39.5	100.0	40.1	100.0
South Carolina	95.1	78.5	100.0	84.5	100.0	85.2	95.2	78.8
South Dakota	82.3	24.5	79.7	26.6	70.9	13.1	77.7	10.9
Tennessee	90.8	25.3	86.4	28.7	74.0	26.8	85.7	20.9
Texas	76.0	31.9	75.7	18.3	75.9	19.4	76.9	21.7
Utah	85.7	98.7	80.3	94.0	80.3	94.2	75.2	94.6
Vermont	100.0	83.9	100.0	82.3	100.0	82.9	100.0	79.6
Virginia	69.7	26.1	67.8	17.1	62.9	13.9	56.3	16.8
Washington	70.6	32.4	91.4	31.9	89.0	31.7	88.0	27.3
West Virginia	56.3	4.0	47.6	1.7	32.9	1.5	33.7	1.4
Wisconsin	79.1	24.3	72.4	18.5	64.5	16.2	66.9	15.4
Wyoming	83.6	2.5	86.5	3.1	85.0	2.8	85.6	2.5
Total	64.9	17.9	62.4	14.0	60.9	14.2	62.3	14.2

See footnotes at end of table.

Table 25

Table 25. Percentage of Total Deliveries Represented by Onsystem Sales, by State, 1999-2001 — Continued

State	2000							
	July		June		May		April	
	Commercial	Industrial	Commercial	Industrial	Commercial	Industrial	Commercial	Industrial
Alabama	73.6	14.4	71.6	14.2	75.4	13.9	73.7	15.1
Alaska	77.3	99.9	81.7	99.9	68.1	99.8	73.7	99.9
Arizona	81.9	33.3	82.5	38.6	80.6	32.8	81.5	27.5
Arkansas	76.8	6.5	79.1	NA	80.1	7.4	77.4	7.1
California	51.7	4.5	59.0	5.1	55.3	5.5	58.8	6.2
Colorado	96.7	4.6	97.2	2.8	96.9	0.8	97.1	0.4
Connecticut	83.1	50.3	80.7	45.4	79.4	53.2	77.1	30.6
Delaware	98.7	3.2	98.3	9.6	98.6	7.3	98.6	11.0
District of Columbia	28.6	—	28.0	—	30.0	—	34.2	—
Florida	60.3	3.2	61.7	4.3	63.5	3.7	64.4	4.1
Georgia	9.8	6.5	11.6	6.8	831.1	6.6	11.2	7.5
Hawaii	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
Idaho	83.5	2.2	85.0	1.9	82.8	2.3	88.1	2.7
Illinois	26.2	5.6	25.9	4.9	32.5	4.6	40.4	7.4
Indiana	68.4	7.9	65.8	8.2	72.0	5.7	79.6	8.0
Iowa	69.0	3.7	66.2	7.1	51.6	4.7	77.1	5.5
Kansas	44.1	21.3	46.4	14.8	55.1	9.7	62.8	6.4
Kentucky	79.8	13.7	76.3	15.6	77.3	14.3	84.2	14.2
Louisiana	95.6	10.2	96.5	9.7	96.6	8.6	97.3	8.5
Maine	100.0	51.7	100.0	60.5	100.0	57.6	100.0	55.1
Maryland	27.1	8.7	22.9	4.4	27.2	5.7	27.5	1.4
Massachusetts	49.9	23.7	49.6	26.8	54.7	28.0	56.4	23.7
Michigan	36.6	5.3	41.6	5.8	50.8	7.2	56.0	9.3
Minnesota	97.2	37.0	96.3	24.9	98.3	59.6	96.1	39.6
Mississippi	93.6	47.1	92.1	46.3	93.7	45.9	95.1	43.0
Missouri	67.5	10.4	67.9	10.4	74.8	12.1	78.9	15.3
Montana	65.6	0.9	59.8	1.1	63.3	1.3	67.5	1.8
Nebraska	67.1	6.0	47.8	11.4	53.1	17.2	55.7	15.1
Nevada	36.4	20.2	46.0	14.0	48.0	16.2	53.6	19.2
New Hampshire	73.3	37.0	78.1	35.5	87.6	43.6	85.7	38.2
New Jersey	31.3	12.3	43.7	31.3	70.4	26.9	41.4	26.3
New Mexico	49.0	20.5	44.2	21.3	49.2	17.4	29.9	19.1
New York	68.5	56.1	65.0	17.4	66.8	16.4	NA	45.4
North Carolina	100.0	65.3	100.0	69.8	100.0	62.2	99.8	59.6
North Dakota	80.4	16.0	82.8	5.0	82.4	12.8	88.5	18.6
Ohio	29.9	1.2	26.2	1.4	38.6	1.6	41.7	2.2
Oklahoma	53.4	2.6	72.0	2.1	65.3	3.0	73.0	3.6
Oregon	98.9	15.7	99.1	16.7	100.0	9.2	99.1	16.7
Pennsylvania	54.1	9.7	58.9	8.4	56.1	8.8	57.1	10.0
Rhode Island	42.3	100.0	46.7	100.0	61.2	100.0	49.5	100.0
South Carolina	100.0	85.6	100.0	85.4	100.0	87.2	100.0	87.2
South Dakota	72.7	14.2	73.5	18.8	79.1	31.6	95.7	44.1
Tennessee	83.8	20.1	85.7	28.3	89.4	28.3	91.6	21.7
Texas	79.1	21.5	80.6	19.9	78.7	16.5	79.9	17.3
Utah	77.9	94.3	77.9	95.1	77.0	94.4	79.4	92.0
Vermont	100.0	81.0	100.0	92.4	100.0	82.0	100.0	81.5
Virginia	55.0	12.5	53.3	11.1	53.7	16.3	61.8	9.2
Washington	89.3	28.6	89.3	27.0	91.1	29.9	93.0	23.1
West Virginia	37.8	1.7	34.4	1.5	46.1	1.9	49.3	1.9
Wisconsin	66.2	15.0	68.3	15.5	73.6	11.8	77.6	21.2
Wyoming	87.1	2.6	95.2	10.8	89.5	1.9	93.3	1.5
Total	60.8	14.8	61.3	15.2	864.1	14.3	63.3	15.7

See footnotes at end of table.

Table 25. Percentage of Total Deliveries Represented by Onsystem Sales, by State, 1999-2001 — Continued

State	2000						1999	
	March		February		January		Total	
	Commercial	Industrial	Commercial	Industrial	Commercial	Industrial	Commercial	Industrial
Alabama	76.3	14.9	83.6	18.1	79.5	17.0	70.5	21.8
Alaska	74.8	99.8	71.1	99.8	69.6	99.8	55.4	99.1
Arizona	82.7	38.7	90.6	40.8	84.5	42.0	82.5	36.2
Arkansas	91.2	7.8	90.7	9.3	91.1	7.2	89.3	10.1
California	60.0	6.1	60.9	7.0	58.0	6.4	57.4	12.9
Colorado	100.0	0.3	99.9	0.3	100.0	0.3	97.5	7.1
Connecticut	79.4	45.9	80.8	52.9	69.6	44.6	62.9	55.8
Delaware	97.2	11.6	98.2	11.8	98.2	14.5	98.8	16.6
District of Columbia	37.4	—	49.3	—	48.9	—	46.0	—
Florida	65.8	3.2	67.6	2.5	65.8	3.8	94.5	5.0
Georgia	12.2	7.9	12.0	9.9	7.8	9.3	61.0	23.9
Hawaii	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
Idaho	87.7	3.6	89.1	3.7	89.5	3.3	86.0	2.7
Illinois	44.1	8.0	45.5	9.9	44.8	10.7	42.8	9.1
Indiana	80.0	8.4	81.7	6.7	78.5	9.3	78.3	5.8
Iowa	83.8	6.4	84.2	8.2	85.6	8.4	83.4	7.4
Kansas	59.6	7.8	66.9	5.3	61.3	4.6	66.7	10.1
Kentucky	84.5	14.2	87.2	17.7	87.8	15.5	88.0	18.4
Louisiana	97.1	9.2	97.8	7.9	95.2	8.2	93.8	8.5
Maine	100.0	57.1	100.0	55.1	100.0	56.3	100.0	78.2
Maryland	35.1	6.1	41.2	7.1	NA	8.8	33.4	6.5
Massachusetts	58.9	32.8	68.5	32.3	72.8	23.4	59.8	36.9
Michigan	61.0	10.1	64.5	14.0	63.7	12.9	56.6	11.1
Minnesota	95.9	38.9	96.8	34.2	94.4	39.7	97.2	39.8
Mississippi	96.0	43.4	96.7	46.3	96.3	41.3	96.0	26.3
Missouri	81.7	16.4	85.5	18.7	83.3	23.0	78.6	18.5
Montana	74.6	2.4	76.4	2.5	79.7	2.7	79.9	1.7
Nebraska	58.9	17.0	66.0	19.1	61.9	20.0	66.6	14.2
Nevada	60.6	26.5	62.5	26.9	66.0	30.2	60.9	22.5
New Hampshire	94.3	44.8	95.0	32.7	93.9	28.0	93.2	24.3
New Jersey	41.3	26.5	42.4	23.4	38.1	26.1	56.0	47.9
New Mexico	61.4	14.0	62.7	13.9	63.8	9.0	62.9	16.4
New York	68.2	54.1	70.0	33.6	66.8	43.8	57.3	14.3
North Carolina	91.6	27.9	99.2	46.5	97.2	35.9	93.8	47.8
North Dakota	89.4	18.3	89.2	25.7	92.1	25.9	88.3	14.9
Ohio	39.7	2.6	45.2	3.5	45.5	3.4	46.6	4.1
Oklahoma	73.6	4.6	82.5	5.5	82.4	4.8	71.8	3.9
Oregon	99.2	19.4	99.4	19.9	99.4	18.3	98.8	13.6
Pennsylvania	59.9	9.1	59.8	11.3	60.1	10.5	56.9	11.8
Rhode Island	60.7	100.0	62.7	100.0	57.1	100.0	53.3	6.5
South Carolina	95.6	80.1	99.8	82.6	98.0	80.3	97.1	86.1
South Dakota	68.6	45.5	84.6	44.8	85.2	48.2	81.2	37.0
Tennessee	92.8	24.5	91.9	24.7	95.3	26.0	88.8	34.7
Texas	80.1	19.8	83.6	19.2	83.7	19.1	77.3	23.7
Utah	84.2	94.9	88.6	94.5	87.1	93.2	82.9	9.5
Vermont	100.0	80.8	100.0	83.0	100.0	87.4	100.0	76.6
Virginia	65.1	18.8	69.1	17.1	74.2	22.7	67.5	12.1
Washington	94.6	31.5	93.9	31.4	94.5	34.0	89.4	24.0
West Virginia	47.4	1.3	70.2	1.8	57.3	2.4	51.8	10.8
Wisconsin	80.0	21.9	81.7	24.3	83.1	26.0	79.0	20.2
Wyoming	87.5	2.2	92.4	1.7	88.1	1.7	89.2	2.9
Total	65.7	16.2	68.4	16.6	67.0	16.0	66.2	17.4

^R Revised Data.

NA Not Available.

— Not Applicable.

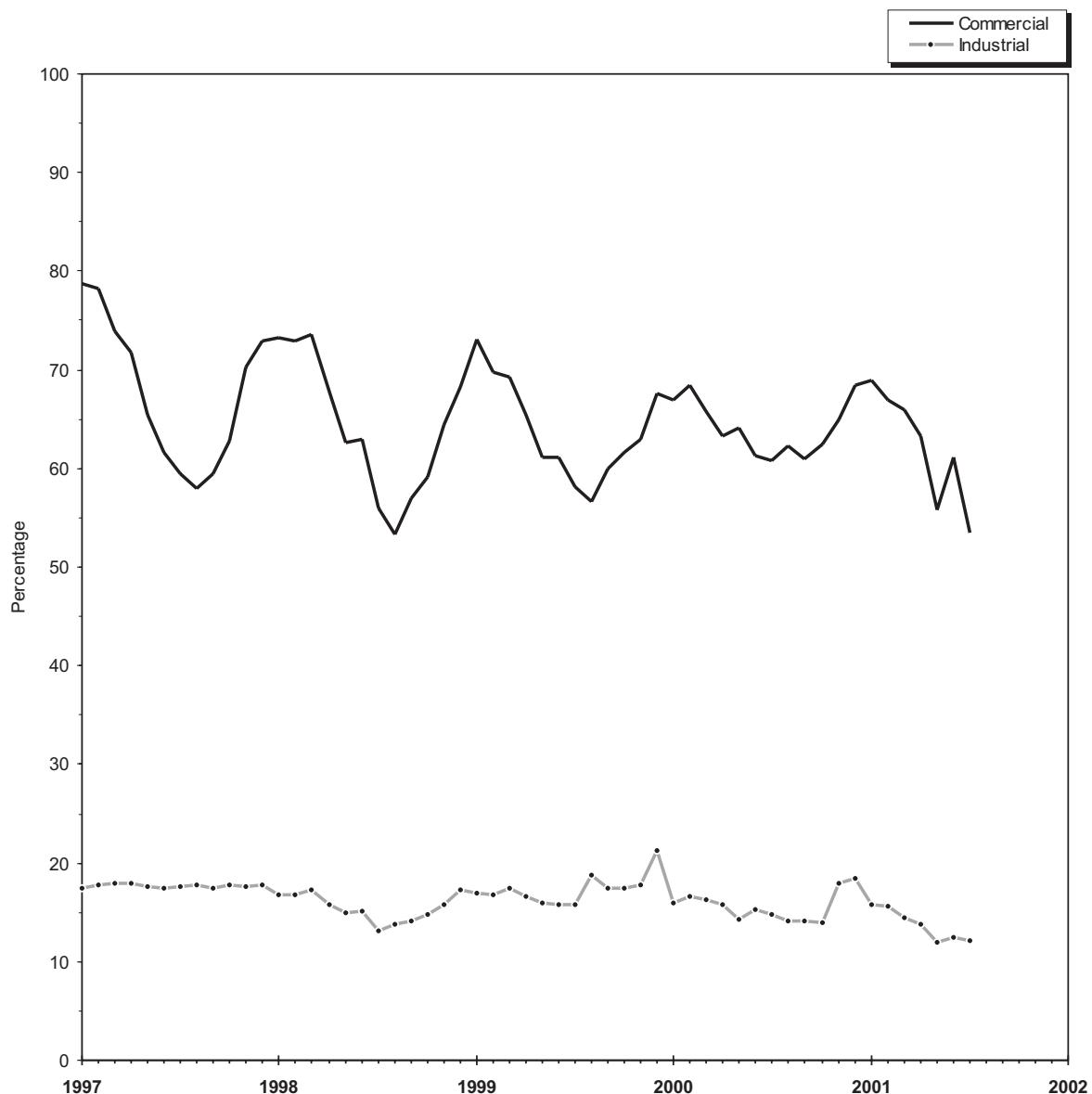
Notes: Volumes of natural gas reported for the commercial and industrial sectors in this publication include data for both sales and deliveries for the account of others. This table shows the percent of the total State volume that represents natural gas sales to the commercial and

industrial sectors. This information may be helpful in evaluating commercial and industrial price data which are based on sales data only. See Appendix C, Statistical Considerations, for a discussion of the computation of natural gas prices.

Source: Form EIA-857, "Monthly Report of Natural Gas Purchases and Deliveries to Consumers."

Figure 6

Figure 6. Percentage of Total Deliveries Represented by Onsystem Sales, 1997-2001



Sources: Energy Information Administration, Form EA-857, "Monthly Report of Natural Gas Purchases and Deliveries to Consumers" and Form EA-176, "Annual Report of Natural and Supplemental Gas Supply and Disposition."

Appendix A

Explanatory Notes

The Energy Information Administration (EIA) publishes monthly data for the supply and disposition of natural gas in the United States in the *Natural Gas Monthly* (*NGM*). The information in this Appendix is provided to assist users in evaluating the monthly data. There is a brief description of what data are estimated and what data are taken from submitted reports, followed by ten technical notes that provide important information for individual data series.

The monthly data are preliminary when initially published. Data shown in this report for the most current months are taken from the EIA Short-Term Integrated Forecasting System (STIFS) model computations. Each month, EIA staff review the STIFS model estimates and adjust them, if necessary, based on their knowledge of new developments in the natural gas industry. Data for prior months are estimated or taken from submitted reports.

Table A1. Methodology for Reporting Initial Monthly Natural Gas Supply and Disposition Data

Components	Reporting Methodology
Supply and Disposition	
Marketed Production	Reported on Form EIA-895 and Estimated from Historical Data
Extraction Loss	Derived from Marketed Production
Dry Production	Marketed Production minus Extraction Loss
Withdrawals from Storage	Reported on Form EIA-191
Supplemental Gaseous Fuels	Derived from Supply Estimates and Coal Gasification Information
Imports	Estimated from National Energy Board of Canada Information and Liquefied Natural Gas Information
Additions to Storage	Reported on Form EIA-191
Exports	Estimated from Industry Trends and Liquefied Natural Gas Information
Current-Month Consumption	Estimated from Historical Month-to-Month Percent Changes
Consumption by Sector	
Lease and Plant Fuel	Derived from Marketed Production
Pipeline Fuel	Derived from Estimates for Lease and Plant Fuel and Deliveries to Consumers
Residential	Estimated from Reports to the Sample Survey Form EIA-857
Commercial	Estimated from Reports to the Sample Survey Form EIA-857
Industrial	Estimated from Reports to the Sample Survey Form EIA-857
Electric Utilities	Reported of Form EIA-759

For data that are not taken from STIFS computations, Table A1 below lists the methodologies for deriving the monthly data to be published.

The STIFS model contains a series of calculations that produce forecasts for all of the energy industry. It is driven primarily by three sets of inputs or assumptions: estimates of key macroeconomic variables, world oil price assumptions, and assumptions about the severity of weather. The natural gas estimates also reflect other key inputs or assumptions including gas wellhead prices, electric power generation by other energy sources, and U.S. gas import capacity. The macroeconomic variable estimates are produced by DRI/McGraw-Hill but are adjusted by EIA to reflect EIA assumptions about the world price of oil, energy product prices, and other assumptions which may affect the macroeconomic outlook. The EIA publishes forecasts for the energy industry each quarter in the Short-Term Energy Outlook.

For production, total supply and disposition, and storage data (Tables 1, 2, and 9), the most current two months shown are estimates produced from STIFS computations, and data that are two months or more prior to the date of publication are estimated or taken from submitted reports. For example, in the March issue of the *NGM*, February and March data are taken from the STIFS model computations while January and prior months data are estimated from available data sources or reported directly on EIA forms. For consumption data by sector (Table 3), the most current three months shown are estimates produced from STIFS computations while data that are three months prior to date of publication are taken from EIA forms.

Note 1. Nonhydrocarbon Gases Removed

Annual Data

Data on nonhydrocarbon gases removed from marketed production — carbon dioxide, helium, hydrogen sulfide, and nitrogen — are reported by State agencies on the voluntary Form EIA-895. Eleven of the 33 producing States reported data on nonhydrocarbon gases removed during 1999. These 11 States accounted for 45 percent of total 1999 gross withdrawals. The State of Missouri reported zero gross withdrawals.

Preliminary Monthly Data

All monthly data are considered preliminary until after publication of the *Natural Gas Annual* for the

year in which the report month falls. States reporting monthly data on nonhydrocarbon gases removed are estimated based on annual data reported on Form EIA-895. States' nonhydrocarbon gases as an annual percentage of gross withdrawals reported is applied to each State's monthly gross withdrawal data to produce an estimate of nonhydrocarbon gases removed.

Final Monthly Data

Beginning with report year 1990, States filing the Form EIA-627, "Annual Quantity and Value of Natural Gas Report," were asked to supply monthly breakdowns of all data previously reported on an annual basis. The sums of the reported figures were used to calculate monthly volumes. In 1997 the Form EIA-627 was discontinued. States were requested to file an annual schedule on the monthly Form EIA-895, "Monthly Quantity and Value of Natural Gas Report."

For States not supplying monthly data on the annual schedule of the EIA-895, final monthly data are calculated by proportionally allocating the differences between total annual data reported on the Form EIA-895 and the sum of monthly data (January-December).

Note 2. Supplemental Gaseous Fuels

Annual Data

Annual data are published from Form EIA-176.

Preliminary Monthly Data

All monthly data are considered preliminary until after the publication of the *Natural Gas Annual* for the year in which the report month falls. Monthly estimates are based on the annual ratio of supplemental gaseous fuels to the sum of dry gas production, net imports, and net withdrawals from storage. This ratio is applied to the monthly sum of these three elements to compute a monthly supplemental gaseous fuels figure.

Final Monthly Data

Monthly data are revised after publication of the *Natural Gas Annual*. Final monthly data are estimated based on the revised annual ratio of supplemental gaseous fuels to the sum of dry gas production, net imports, and net withdrawals from

storage. This ratio is applied to the revised monthly sum of these three elements to compute final monthly data.

Note 3. Production

Annual Data

Natural gas production data are collected from 33 gas-producing States on Form EIA-895 which includes gross withdrawals, vented and flared, repressuring, nonhydrocarbon gases removed, fuel used on leases, marketed production (wet), and extraction loss. The U.S. Minerals Management Service (MMS) also supplies data on the quantity and value of natural gas production on the Gulf of Mexico and Outer Continental Shelf. No adjustments are made to the data.

Estimated Monthly Data

State marketed production data for a particular month are estimated if data are unavailable at the time of publication. The data are estimated based on final monthly data reported on the Form EIA-895 for the previous year.

Estimates for total U.S. marketed production are based on final monthly data reported on the Form EIA-895 for the previous year. State estimates for nonhydrocarbon gas removed, gas used for repressuring, and gas vented and flared are based on the ratio of the item to gross withdrawals as reported on the EIA-895. These ratios are applied to the month's estimates for gross withdrawals to calculate figures for nonhydrocarbon gases removed, gas used for repressuring, and gas vented and flared. Estimates for gross withdrawal data are calculated from final monthly data filed on Form EIA-895 for the previous year.

Preliminary Monthly Data

All monthly data are considered preliminary until after publication of the *Natural Gas Annual* for the year in which the report month falls. Preliminary monthly data are published from reports from the Form EIA-895 and the MMS. Volumetric data are converted, as necessary, to a standard 14.73 psia pressure base. Data are revised as Table 7 monthly data are updated.

Final Monthly Data

Final monthly data are the sums of monthly data reported on the annual Form EIA-895, "Monthly

Quantity and Value of Natural Gas Report," annual schedule.

Note 4. Imports and Exports

Annual Data and Final Monthly Data

Annual and final monthly data are published from the Office of Fossil Energy, U.S. Department of Energy, "Natural Gas Imports and Exports," which requires data to be reported each quarter by month for the calendar year.

Preliminary Monthly Data - Imports

Preliminary monthly import data are based on data from the National Energy Board of Canada and responses to informal industry contacts and EIA estimates. Preliminary data are revised after the publication of the article "U.S. Imports and Exports of Natural Gas" for the calendar year.

Preliminary Monthly Data - Exports

Preliminary monthly export data are based on historical data from the Office of Fossil Energy, U.S. Department of Energy, "Natural Gas Imports and Exports," informal industry contacts, and information gathered from natural gas industry trade publications. Preliminary monthly data are revised after publication of "U.S. Imports and Exports of Natural Gas" for the calendar year in which the report month falls.

Note 5. Consumption

All Annual Data

All consumption data except electric utility data are from the Form EIA-857 and Form EIA-176. No adjustments are made to the data. Electric utility data are reported on Form EIA-759.

Monthly Data

All monthly data are considered preliminary until after publication of the *Natural Gas Annual*.

Total Consumption

Preliminary Monthly Data

The most current month estimate is calculated based on the arithmetic average change from the previous

month for the previous 3 years. The following month this estimate is revised by summing the components (pipeline fuel, lease and plant fuel, and deliveries to consumers).

Final Monthly Data

Monthly data are revised after publication of the *Natural Gas Annual*. Final monthly total consumption is obtained by summing its components.

Residential, Commercial, and Industrial Sector Consumption

Preliminary Monthly Data

Preliminary monthly residential, commercial, and industrial data are from Form EIA-857. See Appendix C, "Statistical Considerations," for a detailed explanation off sample selection and estimation procedures.

Average Price of Deliveries to Consumers

Price data are representative of prices for gas sold and delivered to residential, commercial, and industrial consumers. These prices do not reflect average prices of natural gas transported to consumers for the account of third parties or "spot-market" prices.

Final Monthly Data

Monthly data are revised after the publication of the *Natural Gas Annual*. Final monthly data are estimated by allocating annual consumption data from the Form EIA-176 to each month in proportion to monthly volumes reported in Form EIA-857.

Agricultural Use

Beginning with the reporting of 1996 annual data, the EIA changed the customer category used for reporting deliveries to consumers in the agricultural industry from commercial to industrial. In 1995 and earlier years, consumption of natural gas for agricultural use was classified as commercial use. Separate reports of the volumes affected are not available so the direct impact of this change is not known. Most natural gas consumed in agriculture is used to drive irrigation systems and to dry crops.

In comparing sectoral use over time, note that:

There is an inherent shift in natural gas volumes from the commercial to industrial sectors due simply to changes in the reporting requirements. This break in series may indicate a spurious increase in industrial consumption with a corresponding decrease in the commercial sector.

The sum of natural gas volumes consumed by the commercial and industrial sectors will not be changed by this modification of the instructions.

Electric Utility Sector Consumption

All Monthly Data

Monthly data published are from Form EIA-759.

Pipeline Fuel Consumption

Preliminary Monthly Data

Preliminary data are estimated based on the pipeline fuel consumption as an annual percentage of total consumption from the previous year's Form EIA-176. This percentage is applied to each month's total consumption figure to compute the monthly estimate.

Final Monthly Data

Monthly data are revised after the publication of the *Natural Gas Annual*. Final monthly data are based on the revised annual ratio of pipeline fuel consumption to total consumption from the Form EIA-176. This ratio is applied to each month's revised total consumption figure to compute final monthly pipeline fuel consumption estimates.

Lease and Plant Fuel Consumption

Preliminary Monthly Data

Preliminary monthly data are estimated based on lease and plant fuel consumption as an annual percentage of marketed production. This percentage is applied to each month's marketed production figure to compute estimated lease and plant fuel consumption.

Final Monthly Data

Monthly data are revised after publication of the *Natural Gas Annual*. Final monthly plant fuel data are based on a revised annual ratio of lease and plant fuel consumption to marketed production from Form EIA-176. This ratio is applied to each month's revised marketed production figure to compute final monthly plant fuel consumption estimates. Final monthly lease data are collected on the Form EIA-895 and estimates from the Form EIA-176. See the *Natural Gas Annual* for a complete discussion of this process.

Note 6. Extraction Loss

Annual Data

Extraction loss data are calculated from filings of Form EIA-64A, "Annual Report of the Origin of Natural Gas Liquids Production." For a fuller discussion, see the *Natural Gas Annual*.

Preliminary Monthly Data

Preliminary data are estimated based on extraction loss as an annual percentage of marketed production. This percentage is applied to each month's marketed production to estimate monthly extraction loss.

Final Monthly Data

Monthly data are revised after the publication of the *Natural Gas Annual*. Final monthly data are estimated by allocating annual extraction loss data to each month based on its total natural gas marketed production.

Note 7. Natural Gas Storage

Underground Natural Gas Storage

All monthly data concerning underground storage are published from the EIA-191. A new EIA-191 became effective in January 1994. Injection and withdrawal data from the EIA-191 survey are adjusted to correspond to data from Form EIA-176 following publication of the *Natural Gas Annual*.

Underground and Liquefied Natural Gas Storage

The final monthly and annual storage and withdrawal data shown in Table 2 include both underground and liquefied natural gas (LNG) storage. Underground storage data are obtained from the EIA-191 and EIA-176 surveys in the manner described earlier. Annual data on LNG additions and withdrawals are taken from Form EIA-176. Monthly data are estimated by computing the ratio of each month's underground storage additions and withdrawals to annual underground storage additions and withdrawals and applying it to annual LNG data.

Types of Underground Storage Facilities

There are three principal types of underground storage facilities in operation in the United States today: salt caverns (caverns hollowed out in salt "bed" or "dome" formations), depleted fields (depleted reservoirs in oil and/or gas fields), and aquifer reservoirs (water-only reservoirs conditioned to hold natural gas). A storage facility's daily deliverability or withdrawal capability is the amount of gas that can be withdrawn from it in a 24-hour period. Salt cavern storage facilities generally have high deliverability because all of the working gas in a given facility can be withdrawn in a relatively short period of time. (A typical salt cavern cycle is 10 days to deplete working gas, and 20 days to refill working gas.) By contrast, depleted field and aquifer reservoirs are designed and operated to withdraw all working gas over the course of an entire heating season (about 150 days). Further, while both traditional and salt cavern facilities can be switched from withdrawal to injection operations during the heating season, this is usually more quickly and easily done in salt cavern facilities, reflecting their greater operational flexibility.

Note 8. Average Wellhead Value

Annual Data

Form EIA-895 requests State agencies to report the quantity and value of marketed production. When complete data are unavailable, the form instructs the State agency to report the available value and the quantity of marketed production associated with this value. A number of States reported volumes of production and associated values for other than marketed production. In addition, information for several States which were unable to provide data

was obtained from Form EIA-176. It should be noted that Form EIA-176 reports a fraction of State production. The imputed value of marketed production in each State is calculated by dividing the State's reported value by its associated production. This unit price is then applied to the quantity of the State's marketed production to derive the imputed value of marketed production.

Preliminary Monthly Data

Preliminary values for the monthly U.S. natural gas wellhead price are estimated from the New York Mercantile Exchange (NYMEX) futures closing price for near-month delivery at the Henry Hub, and prevailing cash market prices (spot prices) at 5 major trading hubs: Henry Hub, LA; Carthage, TX; Katy, TX; Waha, TX; and Blanco, NM. The NYMEX price is reported in the trade publication, Gas Daily (published by Financial Times Energy). The spot prices are published in another trade publication, Natural Gas Week (Energy Intelligence Group), and they reflect the spot delivered-to-pipeline, volume-weighted average prices for natural gas bought and sold at the specified trading hubs. Prices include processing, gathering, and transportation fees to the hubs. The estimated wellhead prices are derived with a statistical procedure based on analysis of monthly time series data for the period 1995 through the present. A statistical procedure was adopted beginning with publication of the February 1999 issue of the Natural Gas Monthly. The preliminary estimates are replaced when annual survey data become available, usually about 10 months after the end of the report year.

Final Monthly Data

The Form EIA-895 requests State agencies to report monthly values of marketed production. Preliminary monthly gas price data are replaced by these final monthly data.

Note 9. Balancing Item

The "balancing item" category represents the difference between the sum of the components of natural gas supply and the sum of the components of natural gas disposition. These differences may be due to quantities lost or to the effects of data reporting problems.

Reporting problems include differences due to the net result of conversions of flow data metered at varying temperatures and pressure bases and converted to a standard temperature and pressure base; the effect of variations in company accounting and billing practices; differences between billing cycles and calendar periods; and imbalances resulting from the merger of data reporting systems, which vary in scope, format, definitions, and type of respondents.

Annual Data

Annual data are from the *Natural Gas Annual*. For an explanation of the methodology involved in calculating annual "balancing item" data, see the *Natural Gas Annual*.

Preliminary Monthly Data

Preliminary monthly data in the "balancing item" category are calculated by subtracting dry gas production, withdrawals from storage, supplemental gaseous fuels, and imports from total supply/disposition.

Note 10. Heating Degree-Days

Degree-days are relative measurements of outdoor air temperature. Heating degree-days are deviations of the mean daily temperature below 65 degrees Fahrenheit. A weather station recording a mean daily temperature of 40 degrees Fahrenheit would report 25 heating degree-days. There are several degree-day data bases maintained by the National Oceanic and Atmospheric Administration. The information published in the *Natural Gas Monthly* is developed by the National Weather Service Climate Analysis Center, Camp Springs, Maryland.

The data are available weekly with monthly summaries and are based on mean daily temperatures recorded at about 200 major weather stations around the country. The temperature information recorded at these weather stations is used to calculate State-wide degree-day averages weighted by gas home customers. The State figures are then aggregated into Census Divisions and into the national average.

Appendix B

Data Sources

The data in this publication are taken from survey reports authorized by the U.S. Department of Energy (DOE), Energy Information Administration (EIA) and by the Federal Energy Regulatory Commission (FERC). The EIA is the independent statistical and analytical agency within the DOE. The FERC is an independent regulatory commission within the DOE which has jurisdiction primarily in the regulation of electric utilities and the interstate natural gas industry. The EIA conducts and processes some of the surveys authorized by the FERC. Data are collected from two annual surveys and five monthly surveys.

The annual report is the Form EIA-176, a mandatory survey of all companies that deliver natural gas to consumers or that transport gas across State lines.

The monthly reports include two surveys of the natural gas industry, two surveys of the electric utility industry, and a voluntary survey completed by energy or conservation agencies in the gas producing States. The natural gas industry survey is the Form EIA-191 filed by companies that operate underground storage facilities, and the Form EIA-857 is filed by a sample of companies that deliver natural gas to consumers. The electric utility industry surveys are the Form EIA-759 filed by all generating electric utilities and the Form FERC-423 filed by fossil fueled plants. Responses to these four monthly surveys are mandatory.

A description of the survey respondents, reporting requirements, and processing and editing of the data is given on the following pages for each of the surveys.

Form EIA-176, "Annual Report of Natural and Supplemental Gas Supply and Disposition"

Survey Design

The original version of Form EIA-176 was approved in 1980 with a mandatory response requirement.

Prior to 1980, published data were based on voluntary responses to Bureau of Mines, U.S. Department of the Interior predecessor Forms BOM-6-1340-A and BOM-6-1341-A of the same title.

In 1982, the scope of the revised EIA-176 survey was expanded to collect the number of electric utility consumers in each State, volumes of gas transported to industrial and electric utility consumers, detailed information on volumes transported across State borders by the respondent for others and for the responding company, and detailed information on other disposition. These changes were incorporated to provide more complete survey information with a minimal change in respondent burden. The 1982 version of the Form EIA-176 continues to be the basis for the current version of this form.

In 1988, the Form EIA-176 was revised to include data collection for deliveries of natural gas to commercial and industrial consumers for the account of others.

In 1990, the Form EIA-176 was revised to include more detailed information for gas withdrawn from storage facilities, gas added to storage facilities, deliveries of company-owned natural gas and natural gas transported for the account of others. The revised form was approved for use beginning with report year 1990.

Upon the Office of Management and Budget's approval in 1993, the Form EIA-176 was again revised. All deliveries to consumers were categorized as firm or interruptible. Commercial and industrial consumers were categorized as nonutility power producers or as those excluding nonutility power producers.

Approval of the Form EIA-176 for use through 1999 was received in 1996 from OMB. The form was modified as outlined in the "Change in Definition of Consumption Sector" below.

After being approved by the OMB in 1999, the Form EIA-176 was revised to: (1) change the filing date from April 1 following the end of the report year to March 1 following the end of the report year, (2) remove the requirement to distinguish between firm and interruptible deliveries to consumers; and (3) remove the requirement to distinguish between gas volumes delivered to commercial and industrial consumers having nonutility generation of electricity from those not generating electricity.

Data reported on this form are no longer considered proprietary. Response to the form continues to be mandatory.

Survey Universe and Response Statistics

The Form EIA-176 is mailed to all identified interstate and intrastate natural gas pipeline companies, investor and municipally owned natural gas distributors, underground natural gas storage operators, synthetic natural gas plant operators, and field, well, or processing plant operators that deliver natural gas directly to consumers (including their own industrial facilities) and/or that transport gas to, across, or from a State border through field or gathering facilities.

Each company and its parent company or subsidiaries were required to file if they met the survey specifications. The original mailing in 2000 for report year 1999 totaled 1,872 questionnaire packages. To this original mailing, 8 names were added and 18 were deleted as a result of the survey processing. Additions were the result of comparisons of the mailing list to other survey mailing lists. Deletions resulted from post office returns and determinations that companies were out of business, sold, or not within the scope of the survey. After all updates, the survey universe was 1,847 responses from approximately 1,400 companies.

Following the original mailing, second request mailing, and nonrespondents follow-up, 1,826 responses were entered into the data base, and there were 21 nonrespondents.

Summary of Form EIA-176 Data Reporting Requirements

The EIA-176 is a multi-line schedule for reporting all supplies of natural gas and supplemental gaseous fuels and their disposition within the State indicated. Respondents file completed forms with EIA in Washington, DC. Data for the report year are due by March 1st. Extensions of the filing deadline for up

to 30 days are granted to any respondent upon request.

All natural gas and supplemental gaseous fuels volumes are reported on a physical custody basis in thousand cubic feet (Mcf), and dollar values are reported to the nearest whole dollar. All volumes are reported at 14.73 pounds per square inch absolute pressure (psia) and 60 degrees Fahrenheit.

Routine Form EIA-176 Edit Checks

A series of manual and computerized edit checks are used to screen the Form EIA-176. The edits performed include validity, arithmetic, and analytical checks.

The incoming forms are reviewed prior to keying. This prescan determines if the respondent identification (ID) number and the company name and address are correct, if the data on the form appear complete and reasonable, and if the certifying information is complete.

Manual checks on the data are also made. Each form is prescanned to determine that data were reported on the correct lines. The flow of gas through interstate pipelines is checked at the company level to ensure that each delivery from a State is matched with a corresponding receipt in an adjoining State.

After the data are keyed, computer edit procedures are performed. Edit programs verify the report year, State code, and arithmetic totals. Further tests are made to ensure that all necessary data elements are present and that the data are reasonable and internally consistent. The computerized edit system produces error listings with messages for each failed edit test. When problems occur, respondents are contacted by telephone and required to file amended forms with corrected data.

Other EIA Publications Referencing Form EIA-176

Data from Form EIA-176 are also published in the *Natural Gas Annual*.

Form EIA-627 and Form EIA-895

Survey Design

Beginning with 1980 data, natural gas production data previously obtained on an informal basis from the appropriate State agencies were collected on the

Form EIA-627, "Annual Quantity and Value of Natural Gas Report." This form was designed by the EIA to collect annual natural gas production data from the appropriate State agencies under a standard data reporting system within the limits imposed by the diversity of data collection systems of the various producing States. It was also designed to avoid duplication of the efforts involved in the collection of production and value data by producing States and to avoid an unnecessary respondent burden on gas and oil well operators. In 1993, value and associated volume of marketed production by month were added to the EIA-627. In 1996, the Form EIA-627 was discontinued. The information is collected on an annual schedule on the Form EIA-895.

In 1993, the Office of Management and Budget approved the Form EIA-627 for use in report years 1994 through 1996. In 1994, the IOGCC decided to discontinue collection of their form. Data collection on the Form EIA-895, "Monthly Quantity and Value of Natural Gas Report," began in January 1995. This form was designed to replace the Interstate Oil and Gas Compact Commission (IOGCC) form, "Monthly Report of Natural Gas Production." All gas producing States are requested to report on the Form EIA-895; a voluntary report. In 1996, an annual schedule was added to the voluntary Form EIA-895 to replace the Form EIA-627. Data are reported by State agencies. The form was designed to provide a standard reporting system, to the extent possible, for the natural gas data reported by the States. Data are not considered proprietary.

Survey Universe and Response Statistics

Form EIA-895 is mailed to energy or conservation agencies in all 33 natural gas producing States. All producing States participate voluntarily in the EIA-895 survey by filing the completed form or by responding to telephone contacts. EIA-895 survey by filing the completed form or by responding to telephone contacts.

Reports on State production are due 20 days after the end of the report month. (In most cases, the data are not available to the States until after this time period. Therefore, States are requested to send the report within 80 days after the end of the report month.) The annual schedule of the Form EIA-895 is due with the December data report.

Of the 33 natural gas producing states, all participated in the voluntary EIA-895 survey by filing the completed form or by responding to telephone contacts. Data on the quantities of nonhydrocarbon

gases removed in 1999 were reported by the appropriate agencies of 11 of the 33 producing States. These 11 States accounted for 45 percent of total 1999 gross withdrawals. The State of Missouri reported zero gross withdrawals.

The commercial recovery of methane from coalbeds contribute a significant amount to the production totals in a number of States. Coalbed methane seams production quantities (in million cubic feet) are included in gross withdrawals totals for the following States: Alabama (114,657), Colorado (380,081), and New Mexico (610,062).

Summary of Data Reporting Requirements

The Form EIA-895 is a two-page form divided into five parts. Part I requests identifying information including the name and location of the responding State agency and the name and telephone number of a contact person within the agency. Part II collects monthly data on the production of natural gas including gross withdrawals from both gas and oil wells; volumes returned to formation for repressuring, pressure maintenance, and cycling; quantities vented and flared; quantities of nonhydrocarbon gases removed; quantities of fuel used on lease; and marketed production. Part III of the form is for reporting the monthly volume and value of marketed production. Part IV of the form is the annual schedule which collects data on the number of producing gas wells, the production of natural gas including gross withdrawals from both gas and oil wells; volumes returned to formation for repressuring, pressure maintenance, and cycling; quantities vented and flared; quantities of nonhydrocarbon gases removed; quantities of fuel used on lease; marketed production; the value of marketed production; and quantity of marketed production (value based). Part V is space to be used by the respondent to explain data elements reported that may be based on definitions differing from those applied to data in previous years.

Respondents are asked to report all volumes in thousand cubic feet at the State's standard pressure base and at 60 degrees Fahrenheit. All dollar values are reported in thousands.

Routine Form EIA-895 Edit Checks

Each filing of Form EIA-895 is manually checked for reasonableness and mathematical accuracy. Information on the forms is compared to totals of monthly data reported. Volumes are converted, as necessary, to a standard 14.73 psia pressure base.

Reasonableness of data is assessed by comparing reported data to the previous year's data. State agencies are contacted by telephone to correct errors. Amended filings or resubmissions are not a requirement, since participation in the survey is voluntary.

Other EIA Publications Referencing Form EIA-895

Data from Form EIA-895 are also published in the EIA publication, *Natural Gas Annual*.

EIA-191 Survey, "Monthly Underground Gas Storage Report"

Survey Design

The Form EIA-191, "Monthly Underground Gas Storage Report," was revised effective January 1994. Among the changes from the form used from 1991 through 1993 is a distinction between a monthly and annual survey. Prior to 1991, data on the storage of natural gas were collected on a survey jointly implemented in 1975 by the Federal Power Commission (FPC), the Federal Energy Administration (FEA), and the Bureau of Mines (BOM) as the FPC-8/FEA-G-318 system. The data received on both the FPC-8 and FEA-G-318 were computerized and aggregated by FPC. The form was previously revised in 1991 to include storage data by State, field, and reservoir.

At the beginning of 1979, the EIA assumed responsibility for the collection, processing, and publication of the data gathered in the survey. Form FEA-G-318 was renewed on July 1, 1979, as Form EIA-191 and the survey was retitled the FPC-8/EIA-191 Survey (Figure D4 shows the EIA-191). Form FPC-8 was renewed in December 1985 and the survey retitled FERC-8/EIA-191 Survey. The forms were not merged because of FERC's stated desire to maintain the separate identity of the FERC-8 for administrative reasons. In September 1995, the FERC discontinued the reporting requirements of Form FERC-8. FERC jurisdictional firms will continue to file Form EIA-191.

Survey Universe and Response Statistics

The 140 companies that operate underground facilities file the Form EIA-191. The response rate as of the filing deadline is approximately 20 percent.

Data from the remaining 80 percent of respondents are received in writing and/or by telephone within 3 to 4 days after the filing deadline. All data supplied by telephone are subsequently filed in writing, generally within 15 days of the filing deadline. The final response rate is 100 percent.

Summary of EIA-191 Data Reporting Requirements

The EIA-191 monthly schedule contains current month and prior month's data on the total quantities of gas in storage, injections and withdrawals, the location (including State and county, field, reservoir) and peak day withdrawals during the reporting period. Prior month's data are required only when data are revised. The annual schedule contains type of facility, storage field capacity, maximum deliverability and pipelines to which each field is connected. The annual schedule is filed with the December submission.

Collection of the survey is on a custody basis. Information requested must be provided within 20 days after the first day of each month. Twelve reports are required per calendar year. Respondents are required to indicate whether the data reported are actual or estimated. For most of the estimated filings, the actual data or necessary revisions are reflected in the prior month section of the monthly form. Actual data on natural gas injections and withdrawals from underground storage are based on metered quantities. Data on quantities of gas in storage and on storage capacity represent, in part, reservoir engineering evaluations. All volumes are reported at 14.73 psia and 60 degrees Fahrenheit.

Routine Form EIA-191 Edit Checks

Data received on Form EIA-191 are entered into the survey processing system. The survey's five principal data elements (total, base, working gas in storage, injections, and withdrawals) receive a preliminary visual edit to eliminate and correct obvious errors or omissions. Respondents are required to re-file reports containing any inconsistencies or errors.

Other EIA Publications Referencing Form EIA-191

The EIA publications *Monthly Energy Review* and *Winter Fuels Report* contain data from the EIA-191 survey.

“Quarterly Natural Gas Import and Export Sales and Price Report”

Survey Design

The collection of data covering natural gas imports and exports was begun in 1973 by the Federal Power Commission (FPC). On October 1977, FPC ceased to exist and its data collection functions were transferred to the Federal Energy Regulatory Commission (FERC) within the Department of Energy (DOE). From 1979 to 1994, the Energy Information Administration (EIA) has had the responsibility for collecting Form FPC-14, “Annual Report for Importers and Exporters of Natural Gas.” Data are not considered proprietary. The Form FPC-14 was discontinued in 1995.

Beginning in 1995, import and export data are taken from the “Quarterly Natural Gas Import and Export Sales and Price Report.” This report is prepared by the Office of Fossil Energy, U.S. Department of Energy, based on information submitted by all firms having authorization to import or export natural gas.

Survey Universe and Response Statistics

All companies are required, as a condition of their authorizations to import or export natural gas, to file quarterly reports with the Office of Fossil Energy. These data are collected as part of its regulatory responsibilities. The data are reported at a monthly level of detail.

Routine Edit Checks

Respondents are required to certify the accuracy of all data reported. The data are checked for reasonableness and accuracy. If errors are found, the companies are required to file corrected data. The data are compared with data reported by the National Energy Board of Canada and are published quarterly. All natural gas volumes in this report are expressed at a pressure base of 14.73 pounds per square inch absolute and temperature of 60 degrees Fahrenheit, except as noted. All import and export prices are in U.S. dollars and, except for LNG exports, are those paid at the U.S. border. LNG export prices are those paid at the point of sale and delivery in Yokohama, Japan.

Form EIA-857, “Monthly Report of Natural Gas Purchases and Deliveries to Consumers”

Survey Design

The original Form EIA-857 was approved for use in December 1984. Response to the Form EIA-857 is mandatory on a monthly basis. Data collected on the Form EIA-857 cover the 50 States and the District of Columbia and include both price and volume data. Data are considered proprietary.

Survey Universe and Response Statistics

A sample of approximately 400 natural gas companies, including interstate pipelines, intrastate pipelines, and local distribution companies, report to the survey. The sample was selected independently for each of the 50 States and the District of Columbia from a frame consisting of all respondents to Form EIA-176 who reported deliveries of natural gas to consumers in the residential, commercial, or industrial sectors. Each selected company is required to complete and file the Form EIA-857 on a monthly basis. Initial response statistics on a monthly basis are as follows: responses received by due date, approximately 50 percent, and responses received after follow-up, 100 percent. When a response is extremely late, and the company represents less than 25 percent of the natural gas volumes delivered by all sampled companies in the State, values are imputed as described in Appendix C. When the company’s submission is eventually received, the submitted data are used for future processing and revisions.

The Form EIA-857 is a monthly sample survey of firms delivering natural gas to consumers. It provides data that are used to estimate monthly sales of natural gas (volume and price) by State and monthly deliveries of natural gas on behalf of others (volume) by State to three consumer sectors - residential, commercial, and industrial. (Monthly deliveries and prices of natural gas to electric utilities are reported on the Form FERC-423, “Monthly Report of Cost and Quality of Fuels for Electric Plants,” and the Form EIA-759, “Monthly Power Plant Report.”) See Appendix C for a discussion of the sample design and estimation procedures.

Summary of Form EIA-857 Data Reporting Requirements

Data collected monthly on the Form EIA-857 on a State level include the volume and cost of purchased gas, the volume and cost of natural gas consumed by sector (residential, commercial, and industrial), and the average heat content of all gas consumed. Respondents file completed forms with EIA in Washington, DC on or before the 30th day after the end of the report month.

All natural gas volumes are reported in thousand cubic feet at 14.73 psia at 60 degrees Fahrenheit and dollar values are reported to the nearest whole dollar.

Routine Form EIA-857 Edit Checks

A series of manual and computerized edit checks are used to screen the Form EIA-857. The edits performed include validity and analytical checks.

Appendix C

Statistical Considerations

The monthly sales (volume and price) and monthly deliveries (volume) of natural gas to residential, commercial and industrial consumers presented in this report by State are estimated from data reported on the Form EIA-857, "Monthly Report of Natural Gas Purchases and Deliveries to Consumers." (See Appendix B for a description of this Form.) These estimations must be made from the reported data since the Form EIA-857 is a sample survey. A description of the sample design and the estimation procedures is given below.

Sample Design

The Form EIA-857 is a monthly sample survey of companies delivering natural gas to consumers. It includes inter- and intrastate companies, and producers, as well as local distribution companies. The survey provides data that are used each month to estimate the volume of natural gas delivered and the price for onsystem sales of natural gas by State to three consumer sectors—residential, commercial, and industrial. Monthly deliveries and prices of natural gas to electric utilities are reported on the Form EIA-759, "Monthly Power Plant Report," and the Form FERC-423, "Monthly Report of Costs and Quality of Fuels for Electric Plants."

Sample Universe. The sample currently in use was selected from a universe of 1,468 companies. These companies were respondents to the Form EIA-176, "Annual Report of Natural and Supplemental Gas Supply and Disposition," for reporting year 1999 who reported sales or deliveries to consumers in the residential, commercial or industrial sectors. (See Appendix B for a description of the Form EIA-176.)

Sampling Plan. The goal was a sample that would provide estimates of monthly natural gas consumption by the three consuming sectors within each State and the District of Columbia. A stratified sample using a single stage and systematic selection with probability

proportional to size was designed. The measure of size was the volume of natural gas physically delivered in the State to the three consuming sectors by the company in 1999. There were two strata—companies selected with certainty and companies selected under the systematic probability proportional to size design.

Initial calculations showed that a 25 percent sample of companies would yield reasonably accurate estimates. The sample was selected independently in each State, resulting in a national total of 386 respondent companies.

Certainty Stratum. Since estimates were needed for each of the 50 States and the District of Columbia, the strata were established independently within each State. In 16 States and the District of Columbia where sampling was not feasible due to small numbers of companies and/or small volumes of gas deliveries, all companies were selected. The 16 States were: Alaska, Connecticut, Delaware, Hawaii, Idaho, Maine, North Dakota, New Hampshire, New Jersey, Nevada, Oregon, Rhode Island, South Dakota, Utah, Vermont, and Washington.

For each of the remaining States, the total volumes of industrial sales and deliveries and of the combined residential/commercial sales and deliveries were determined. Companies with natural gas deliveries to the industrial sector or to the combined residential/commercial sector above a certain level were selected with certainty. Since a few large companies often account for most of the natural gas delivered within a State, this ensures those companies' inclusion in the sample. The formula for determining certainty was applied independently in the two consumer sectors—the industrial and the combined residential/commercial. These selected companies, together with the companies in the jurisdictions discussed where sampling was not feasible, formed the certainty stratum.

All companies with natural gas deliveries in sector j greater than the cut-off value (C_j) were included in the certainty stratum. The formula for C_j was:

$$C_j = \frac{X_{ij}}{2n} \quad (1)$$

where:

C_j = cutoff value for consumer sector j,

n = target sample size to be selected for the State, 25 percent of the companies in the State,

X_{ij} = the annual volume of natural gas deliveries by company i to customers in consumer sector j,

X_i = the sum within State of annual gas volumes for company i,

X_j = the sum within State of annual gas volumes in consumer sector j,

$X..$ = the sum within State of annual gas volumes in all consumer sectors.

Noncertainty Stratum. All other companies formed the noncertainty stratum. They were systematically sampled with probability proportional to size. The measure of size for each company was the total volume of gas sales to all consumer sectors (X_i). The number of companies to be selected from the noncertainty stratum was calculated for each State, with a minimum of 2.

The formula for selecting the number of noncertainty stratum companies was:

$$m = n \frac{X2}{X..} \quad (2)$$

where:

m = the sample size for the noncertainty stratum within a State,

$X2$ = the sum within State of the X_i for all companies in the noncertainty stratum.

Companies were listed in ascending order according to their measure of size and then a cumulative measure of size in the stratum was calculated for each company. The cumulative measure of size was the sum of the measures of size for that company and all preceding companies on the list. An interval of width

I for selecting the companies systematically was calculated using:

A uniform random number R was selected between zero and $I = \frac{X2}{m}$. The first sampled company was the first company on the list to have a cumulative measure of size greater than R. The second company selected was the first company on the list to have a cumulative measure of size greater than $R + I$. $R + I$ was increased again by I to determine the third company to be selected. This procedure was repeated until the entire sample was drawn.

Subgroups. In four States, the noncertainty stratum was divided into subgroups to ensure that gas in each consumer sector could be estimated. The systematic sample with probability proportional to size design described above was applied independently in each subgroup. The methods for determining the subgroup sample size and calculating the subgroup interval for sample selection were the same as the methods described above for the noncertainty stratum, except that $X2$ was the sum within State of the X_i for only those companies in the subgroup.

These subgroups were defined only for the purpose of sample selection. They are:

California: companies handling only industrial gas and all other companies.

Colorado: companies delivering more than four billion cubic feet of natural gas during 1979 and those delivering less than that amount.

Louisiana: companies delivering only to industrial consumers and other companies.

Texas: companies delivering only to industrial consumers; companies delivering to industrial and commercial consumers only; companies delivering to residential and commercial consumers only; and those delivering to all three sectors.

Estimation Procedures

Estimates of Volumes. A ratio estimator is applied to the volumes reported in each State by the sampled companies to estimate the total gas sales and deliveries for the State. Ratio estimators are calculated for each consumer sector—residential, commercial, and industrial—in each State where companies are sam-

pled. The following annual data are taken from the most recent submissions of Form EIA-176:

The formula for calculating the ratio estimator (E_{vj}) for the volume of gas in consumer sector j is:

$$E_{vj} = \frac{Y_j}{Y_{.j}} \quad (3)$$

where:

Y_j = the sum within State of annual gas volumes in consumer sector j for all companies,

$Y_{.j}$ = the sum within State of annual gas volumes in consumer sector j for those companies in the sample.

The ratio estimator is applied as follows:

$$V_{.j} = y_{.j} \cdot E_{vj} \quad (4)$$

where:

V_j = the State estimate of monthly gas volumes in consumer sector j ,

$y_{.j}$ = the sum within State of reported monthly gas volumes in consumer sector j .

Computation of Natural Gas Prices. The natural gas volumes that are included in the computation of prices represent only those volumes associated with natural gas sales.

The price of natural gas for a State within a sector is calculated as follows:

$$P_j = \frac{R_j}{V_j}$$

where:

P_j = the average price for gas sales within the State in consumer sector j ,

R_j = the reported revenue from natural gas sales within the State in consumer sector j ,

V_j = the reported volume of natural gas sales within the State in consumer sector j .

All average prices are weighted by their corresponding sales volume estimates when national average prices are computed.

The monthly average prices of natural gas are based on sales data only. Volumes of gas delivered for the account of others to these consumer sectors are not included in the State or national average prices.

Table 25 shows the percent of the total State volume that represents volumes from natural gas sales to the commercial and industrial sectors. This table may be helpful in evaluating commercial and industrial price data. Virtually all natural gas deliveries to the residential sector represent onsystem sales volumes only.

See the section on consumer price calculations in this Appendix for further price information.

Estimation for Nonrespondents. A volume for each consumer category is imputed for companies that fail to respond. The imputation is based on the previous month's value reported by the non-responding company and the change from the previous month to the current month in volumes reported by other companies in the State. The imputed volumes are included in the State totals. To estimate prices for non-respondents, the unit price (dollars per thousand cubic feet) reported by the company in the previous month is used.

The formula for imputing volumes of gas sales for nonrespondents was:

$$F_t = F_{t-1} + \frac{y_{jt}}{y_{jt-1}} \quad (5)$$

where:

F_t = imputed gas volume for current month t ,

F_{t-1} = gas volume for the company for the previous month,

y_{jt} = gas volume reported by companies in the State stratum for report month t ,

y_{jt-1} = gas volume in the previous month for companies in the State stratum that reported in month t .

Final Revisions

Adjusting Monthly Data to Annual Data. After the annual data reported on the Form EIA-176 have been submitted, edited, and prepared for publication in the *Natural Gas Annual*, revisions are made to

monthly data. The revisions are made to the volumes and prices of natural gas delivered to consumers that have appeared in the *Natural Gas Monthly* to match them to the annual values appearing in the *Natural Gas Annual*. The revised monthly estimates allocate the difference between the sum of monthly estimates and the annual reports according to the distribution of the estimated values across the months.

Before the final revisions are made, changes or additions to submitted data received after publication of the monthly estimate and not sufficiently large to require a revision to be published in the *Natural Gas Monthly*, are used to derive an updated estimate of monthly consumption and revenues for each State's residential, commercial, or industrial natural gas consumption.

For each State, two numbers are revised, the estimated consumption and the estimated price per thousand cubic feet.

The formula for revising the estimated consumption is:

$$V_{jm} = V_{jm} - (V_{ja} - V_{jm}) \left(\frac{V_{jm}}{V_{ja}} \right) \quad (6)$$

where:

V^*_{jm} = the final volume estimate for month m in consumer sector j,

V_{jm} = the estimated volume for month m in consumer sector j,

V_{ja} = the volume for the year reported on Form EIA-176,

V'_{jm} = The annual sum of estimated monthly volumes.

The price is calculated as described above in the Estimation Procedures section, using the final revised consumption estimate and a revised revenue estimate.

The formula for revising the estimated revenue is:

$$R_{jm} = R_{jm} - (R_{ja} - R_{jm}) \left(\frac{R_{jm}}{R_{ja}} \right) \quad (7)$$

where:

R^*_{jm} = the final revenue estimate for month m in consumer sector j,

R_{jm} = the estimated revenue for month m in consumer sector j,

R_{ja} = the revenue for the year reported on Form EIA-176,

R'_{jm} = The annual sum of estimated monthly revenues. Revision of Volumes and Prices for Deliveries to Electric Utilities. Revisions to monthly electric utilities data are published throughout the year as they become available.

Reliability of Monthly Data

The monthly data published in this report are subject to two sources of error - nonsampling error and sampling error. Nonsampling errors occur in the collection and processing of the data. See the discussion of the Form EIA-857 in Appendix B for a description of nonsampling errors for monthly data.

Sampling error may be defined as the difference between the results obtained from a sample and the results that a complete enumeration would provide. The standard error statistic is a measurement of sampling error.

Standard Errors. A standard error of an estimate is a statistical measure that indicates how the estimate from the sample compares to the result from a complete enumeration. Standard errors are calculated based on statistical theory that refers to all possible samples of the same size and design.

The standard errors for monthly natural gas volume estimates by State are given in Table C1. Ninety-five percent of the time, the volume that would have been obtained from a complete enumeration will lie in the range between the estimated volume minus two standard errors and the estimated volume plus two standard errors.

The standard error of the natural gas volume estimate is the square root of the variance of the estimate. The formula for calculating the variance of the volume estimate is:

$$V(Y) = \frac{N^2}{n_h(n_h - 1)} \sum_{h=1}^H \left(1 - \frac{n_h}{N_h}\right) \sum_{i=1}^{n_h} (y_i - Tx_i)^2 \quad (8)$$

where:

H = the total number of strata

N_h = the total number of companies in stratum h

n_h = the sample size in stratum h

y_i = the reported monthly volume for company i

x_i = the reported annual volume for company i

T = the ratio of the sum of the reported monthly volumes for sample companies to the sum of the reported annual volumes for the sample companies.

Table C-1. Standard Error for Natural Gas Deliveries and Price to Consumers by State, July 2001

State	Volume Million Cubic Feet				Price Dollars per Thousand Cubic Feet		
	Residential	Commercial	Industrial	Total	Residential	Commercial	Industrial
Alabama	46	323	2,051	2,077	0.52	5.48	4.82
Alaska	0	0	0	0	—	—	—
Arizona	17	NA	92	94	0.33	0.17	—
Arkansas	NA	NA	234	NA	NA	NA	0.18
California	88	110	1,503	1,510	0.06	0.18	0.23
Colorado	221	85	419	481	0.37	0.13	1.35
Connecticut	0	0	0	0	—	—	—
Delaware	0	0	0	0	—	—	—
District of Columbia	0	0	0	0	—	—	—
Florida	195	231	1,425	1,457	0.82	1.10	3.40
Georgia	225	236	16,745	16,748	7.18	8.90	1.76
Hawaii	0	0	0	0	—	—	—
Idaho	0	0	0	0	—	—	—
Illinois	520	16,301	17,622	24,011	0.47	0.84	0.61
Indiana	NA	NA	NA	NA	NA	NA	NA
Iowa	NA	NA	NA	NA	NA	NA	NA
Kansas	132	3,572	14,004	14,453	2.23	2.14	3.69
Kentucky	NA	NA	NA	NA	NA	NA	NA
Louisiana	NA	NA	3,380	NA	NA	NA	0.01
Maine	0	0	0	0	—	—	—
Maryland	2	22	39	45	0.04	0.03	NA
Massachusetts	0	0	0	0	—	—	—
Michigan	47	96	622	631	0.22	0.25	0.39
Minnesota	56	79	684	690	0.26	0.46	0.55
Mississippi	9	29	373	374	0.38	0.25	0.74
Missouri	84	95	629	642	0.18	0.12	0.87
Montana	2	3	0	4	0.02	0.04	—
Nebraska	9	24	103	106	0.27	0.04	0.25
Nevada	0	0	0	0	—	—	—
New Hampshire	0	0	0	0	—	—	—
New Jersey	0	0	0	0	—	—	—
New Mexico	58	175	212	282	0.35	1.92	—
New York	610	2,967	2,985	4,253	0.33	0.15	0.34
North Carolina	58	30	376	382	0.12	0.02	0.49
North Dakota	0	0	0	0	—	—	—
Ohio	198	719	1,498	1,673	0.38	0.39	10.05
Oklahoma	147	6,187	86	6,189	0.86	1.53	12.18
Oregon	0	0	0	0	—	—	—
Pennsylvania	5	231	3,945	3,952	0.82	0.30	0.16
Rhode Island	0	0	0	0	—	—	—
South Carolina	28	747	563	936	1.22	0.41	0.19
South Dakota	NA	NA	0	NA	NA	—	—
Tennessee	412	910	874	1,327	1.52	4.01	2.44
Texas	80	1,683	8,418	8,585	0.65	0.18	0.29
Utah	0	0	0	0	—	—	—
Vermont	0	0	0	0	—	—	—
Virginia	77	137	500	524	0.12	0.84	0.98
Washington	NA	NA	0	NA	NA	—	—
West Virginia	104	251	456	530	1.06	0.16	1.92
Wisconsin	0	0	0	0	—	—	—
Wyoming	5	21	29	36	0.34	0.36	1.39
Total	1,060	18,188	30,414	35,454	0.23	0.16	0.37

NA Not Available.

— Not Applicable.

Source: Energy Information Administration, Form EIA-857, "Monthly Report of Natural Gas Purchases and Deliveries to Consumers."

Table C-1. Standard Error for Natural Gas Deliveries and Price to Consumers by State, July 2001

State	Volume Million Cubic Feet				Price Dollars per Thousand Cubic Feet		
	Residential	Commercial	Industrial	Total	Residential	Commercial	Industrial
Alabama	46	323	2,051	2,077	0.52	5.48	4.82
Alaska	0	0	0	0	—	—	—
Arizona	17	NA	92	94	0.33	0.17	—
Arkansas	NA	NA	234	NA	NA	NA	0.18
California	88	110	1,503	1,510	0.06	0.18	0.23
Colorado	221	85	419	481	0.37	0.13	1.35
Connecticut	0	0	0	0	—	—	—
Delaware	0	0	0	0	—	—	—
District of Columbia	0	0	0	0	—	—	—
Florida	195	231	1,425	1,457	0.82	1.10	3.40
Georgia	225	236	16,745	16,748	7.18	8.90	1.76
Hawaii	0	0	0	0	—	—	—
Idaho	0	0	0	0	—	—	—
Illinois	520	16,301	17,622	24,011	0.47	0.84	0.61
Indiana	NA	NA	NA	NA	NA	NA	NA
Iowa	NA	NA	NA	NA	NA	NA	NA
Kansas	132	3,572	14,004	14,453	2.23	2.14	3.69
Kentucky	NA	NA	NA	NA	NA	NA	NA
Louisiana	NA	NA	3,380	NA	NA	NA	0.01
Maine	0	0	0	0	—	—	—
Maryland	2	22	39	45	0.04	0.03	NA
Massachusetts	0	0	0	0	—	—	—
Michigan	47	96	622	631	0.22	0.25	0.39
Minnesota	56	79	684	690	0.26	0.46	0.55
Mississippi	9	29	373	374	0.38	0.25	0.74
Missouri	84	95	629	642	0.18	0.12	0.87
Montana	2	3	0	4	0.02	0.04	—
Nebraska	9	24	103	106	0.27	0.04	0.25
Nevada	0	0	0	0	—	—	—
New Hampshire	0	0	0	0	—	—	—
New Jersey	0	0	0	0	—	—	—
New Mexico	58	175	212	282	0.35	1.92	—
New York	610	2,967	2,985	4,253	0.33	0.15	0.34
North Carolina	58	30	376	382	0.12	0.02	0.49
North Dakota	0	0	0	0	—	—	—
Ohio	198	719	1,498	1,673	0.38	0.39	10.05
Oklahoma	147	6,187	86	6,189	0.86	1.53	12.18
Oregon	0	0	0	0	—	—	—
Pennsylvania	5	231	3,945	3,952	0.82	0.30	0.16
Rhode Island	0	0	0	0	—	—	—
South Carolina	28	747	563	936	1.22	0.41	0.19
South Dakota	NA	NA	0	NA	NA	—	—
Tennessee	412	910	874	1,327	1.52	4.01	2.44
Texas	80	1,683	8,418	8,585	0.65	0.18	0.29
Utah	0	0	0	0	—	—	—
Vermont	0	0	0	0	—	—	—
Virginia	77	137	500	524	0.12	0.84	0.98
Washington	NA	NA	0	NA	NA	—	—
West Virginia	104	251	456	530	1.06	0.16	1.92
Wisconsin	0	0	0	0	—	—	—
Wyoming	5	21	29	36	0.34	0.36	1.39
Total	1,060	18,188	30,414	35,454	0.23	0.16	0.37

NA Not Available.

— Not Applicable.

Source: Energy Information Administration, Form EIA-857, "Monthly Report of Natural Gas Purchases and Deliveries to Consumers."

Appendix D

Articles, Special Focuses and Special Reports

A variety of energy-related subjects are frequently included in this publication. The following articles have appeared in previous issues.

Feature Articles

<i>Natural Gas 1998: Issues and Trends - Executive Summary</i>	April 1999
<i>Revisions to Monthly Natural Gas Data</i>	July 1998
<i>EIA Corrects Errors in EIA's Drilling Activity Estimates Series</i>	March 1998
<i>Recent Trends in Natural Gas Spot Prices</i>	December 1997
<i>Natural Gas Residential Pricing Developments During the 1996-97 Winter</i>	August 1997
<i>Revisions to Monthly Natural Gas Data</i>	July 1997
<i>Intricate Puzzle of Oil and Gas Reserves Growth"</i>	July 1997
<i>Restructuring Energy Industries: Lessons from Natural Gas</i>	May 1997

Special Focuses

<i>Impact of Interruptible Natural Gas Service on Northeast Heating Oil Demand</i>	January 2001
<i>Status of Natural Gas Pipeline System Capacity Entering the 2000-2001 Heating Season</i>	October 2000
<i>Corporate Realignments and Investments in the Interstate Natural Gas Transmission System</i>	October 1999
<i>Deliverability on the Interstate Natural Gas Pipeline System</i>	May 1998
<i>Advance Summary: U.S. Crude Oil, Natural Gas, and Natural Gas Liquids Reserves, 1996 Annual Report - Advance Summary</i>	September 1997
<i>Worldwide Natural Gas Supply and Demand and the Outlook for Global LNG Trade</i>	August 1997
<i>Outlook for Natural Gas Through 2015</i>	January 1997
<i>Natural Gas Productive Capacity</i>	January 1997

Special Reports

<i>U.S. Natural Gas Imports and Exports 2000</i>	September 2001
<i>Natural Gas Winter Outlook 2000-2001</i>	October 2000
<i>U.S. Natural Gas Imports and Exports - 1999</i>	August 2000
<i>Natural Gas 1999: A Preliminary Summary</i>	May 2000
<i>Next Generation * Natural Gas (NG)² Information Requirements — Executive Summary</i>	February 2000
<i>Increasing Importance of Natural Gas Imports on the U.S. Marketplace</i>	February 2000
<i>Natural Gas Winter Outlook 1999-2000</i>	October 1999
<i>U.S. Natural Gas Imports and Exports - 1998</i>	August 1999
<i>Retail Unbundling</i>	July 1999
<i>Natural Gas 1998: A Preliminary Summary</i>	April 1999
<i>U.S. Natural Gas Imports and Exports - 1997</i>	August 1998
<i>Revisions to Monthly Natural Gas Data</i>	July 1998
<i>Natural Gas 1997: A Preliminary Summary</i>	April 1998
<i>Comparison of Natural Gas Storage Estimates from the EIA and AGA</i>	October 1997
<i>U.S. Underground Storage of Natural Gas in 1997: Existing and Proposed</i>	September 1997
<i>U.S. Natural Gas Imports and Exports - 1996</i>	August 1997
<i>Revisions to Monthly Natural Gas Data</i>	July 1997
<i>Natural Gas 1996: Highlights</i>	April 1997
<i>Natural Gas Pipeline and System Expansions</i>	April 1997
<i>Natural Gas Analysis and Geographic Information Systems</i>	March 1997

Appendix E

Technical Contacts

Section	Tables		Principal Data Sources	Technical Contact
Summary Statistics: Natural Gas Production	1,2,3	Monthly: Annual:	EIA-895, "Monthly Quantity and Value of Natural Gas Report"	Sharon Belcher (202)586-6119
		Monthly:	Form EIA-857, "Monthly Report of Natural Gas Purchases and Deliveries to Consumers"	Roy Kass (202)586-4790
Extraction Loss	1	Monthly: Annual:	EIA computations Form EIA-816, "Monthly Natural Gas Liquids Report" and Form EIA-64A, "Annual Report of the Origin of Natural Gas Liquids Production"	Margaret Natof (202)586-6303
Supplemental Gaseous Fuels	2	Monthly: Annual:	EIA computations Form EIA-176, "Annual Report of Natural and Supplemental Gas Supply and Disposition"	Margaret Natof (202)586-6303
Imports and Exports	2	Monthly: Annual:	EIA computations Office of Fossil Energy, U.S. Department of Energy, "Natural Gas Import and Exports"	Margaret Natof (202)586-6303
Price: City Gate, Residential, Commercial, and Industrial	4	Monthly:	Form EIA-857, "Monthly Report of Natural Gas Purchases and Deliveries to Consumers"	Roy Kass (202)586-4790
Wellhead	4	Monthly: Annual:	EIA computations Form EIA-895, "Monthly Quantity and Value of Natural Gas Report"	Sylvia Norris (202)586-6106
Electric Utility	4	Monthly:	Form FPC-423, "Cost and Quality of Fuels for Electric Power Plants"	Roy Kass (202)586-4790
Summary of Natural Gas Imports and Exports	5,6	Monthly:	Quarterly Natural Gas Import and Export Sales and Price Report	Margaret Natof (202)586-6303
Producer Related Activities: Natural Gas Production	7,8	Monthly:	Form EIA-895, "Monthly Quantity and Value of Natural Gas Report"	Sharon Belcher (202)586-6119
Underground Storage:	9,10,11, 12,13,14	Monthly:	Form EIA-191, "Monthly Underground Gas Storage Report"	Carol Jones (202) 586-6168
Distribution and Consumption: Deliveries to: Residential, Commercial, Industrial, Electric Utility, All Consumers	15 16 17 18 19	Monthly:	Form EIA-857, "Monthly Report of Natural Gas Purchases and Deliveries to Consumers" Form FERC-423, "Cost and Quality of Fuels for Electric Power Plants"	Roy Kass (202)586-4790
Average Price to: City Gate, Residential, Commercial, Industrial, Electric Utility Onsystem Sales	20 21 22 23 24 25	Monthly: Monthly:	Form EIA-857, "Monthly Report of Natural Gas Purchases and Deliveries to Consumers" Form FERC-423, "Cost and Quality of Fuels for Electric Power Plants"	Roy Kass (202)586-4790
Heating Degree Days	26	Seasonal:	National Oceanic and Atmospheric Administration	Patricia Wells (202)586-6077
Highlights				Mary Carlson (202)586-4749

Glossary

Aquifer Storage Field: A sub-surface facility for storing natural gas, consisting of water-bearing sands topped by an impermeable cap rock.

Balancing Item: Represents the difference between the sum of the components of natural gas supply and the sum of the components of natural gas disposition. These differences may be due to quantities lost or to the effects of data reporting problems. Reporting problems include differences due to the net result of conversions of flow data metered at varying temperature and pressure bases and converted to a standard temperature and pressure base; the effect of variations in company accounting and billing practices; differences between billing cycle and calendar period time frames; and imbalances resulting from the merger of data reporting systems which vary in scope, format, definitions, and type of respondents.

Base (Cushion) Gas: The volume of gas needed as a permanent inventory to maintain adequate underground storage reservoir pressures and deliverability rates throughout the withdrawal season. All native gas is included in the base gas volume.

British Thermal Unit (Btu): The heat required to raise the temperature of one pound of water by one degree Fahrenheit at or near 39.2 degrees Fahrenheit.

City-gate: A point or measuring station at which a gas distribution company receives gas from a pipeline company or transmission system.

Commercial Consumption: Gas used by nonmanufacturing establishments or agencies primarily engaged in the sale of goods or services such as hotels, restaurants, wholesale and retail stores and other service enterprises; and gas used by local, State and Federal agencies engaged in nonmanufacturing activities.

Depletion: The loss in service value incurred in connection with the exhaustion of the natural gas reserves in the course of service.

Depleted Storage Field: A sub-surface natural geological reservoir, usually a depleted oil or gas field, used for storing natural gas.

Depreciation: The loss in service value not restored by current maintenance, incurred in connection with the consumption or respective retirement of a gas plant in the course of service from causes that are known to be in current operation and against which the utility is not protected by insurance; for example, wear and tear, decay, obsolescence, changes in demand and requirements of public authorities, and the exhaustion of natural resources.

Dry Natural Gas Production: Marketed production less extraction loss.

Electric Utility: An enterprise that is engaged in the generation, transmission, or distribution of electric energy primarily for use by the public and that is the major power supplier within a designated service area. Electric utilities include investor-owned, publicly-owned, cooperatively-owned, and government-owned (municipals, Federal agencies, State projects, and public power districts) systems.

Electric Utility Consumption: Gas used as fuel in electric utility plants.

Exports: Natural gas deliveries out of the continental United States and Alaska to foreign countries.

Extraction Loss: The reduction in volume of natural gas resulting from the removal of natural gas liquid constituents at natural gas processing plants.

Flared: The volume of gas burned in flares on the base site or at gas processing plants.

Gas Condensate Well: A gas well that produces from a gas reservoir containing considerable quantities of liquid hydrocarbons in the pentane and heavier range generally described as "condensate."

Gas Well: A well completed for the production of natural gas from one or more gas zones or reservoirs

Gross Withdrawals: Full well stream volume, including all natural gas plant liquid and nonhydrocarbon gases, but excluding lease condensate. Also includes amounts delivered as royalty payments or consumed in field operations.

Heating Value: The average number of British thermal units per cubic foot of natural gas as determined from tests of fuel samples.

Imports: Natural gas received in the Continental United States (including Alaska) from a foreign country.

Independent Producers: Any person who is engaged in the production or gathering of natural gas and who sells natural gas in interstate commerce for resale but who is not engaged in the transportation of natural gas (other than gathering) by pipeline in interstate commerce.

Industrial Consumption: Natural gas used for heat, power, or chemical feedstock by manufacturing establishments or those engaged in mining or other mineral extraction as well as consumers in agriculture, forestry, and fisheries. Also included in industrial consumption are natural gas volumes used in the generation of electricity by other than regulated electric utilities.

Interstate Companies: Natural gas pipeline companies subject to FERC jurisdiction.

Intransit Deliveries: Redeliveries to a foreign country of foreign gas received for transportation across U.S. territory and deliveries of U.S. gas to a foreign country for transportation across its territory and redelivery to the United States.

Intransit Receipts: Receipts of foreign gas for transportation across U.S. territory and redelivery to a foreign country and redeliveries to the United States of U.S. gas transported across foreign territory.

Intrastate Companies: Companies not subject to FERC jurisdiction.

Lease and Plant Fuel: Natural gas used in well, field, lease operations and as fuel in natural gas processing plants.

Liquefied Natural Gas (LNG): Natural gas that has been liquefied by reducing its temperature to minus 260 degrees Fahrenheit at atmospheric pressure.

Marketed Production: Gross withdrawals less gas used for repressuring, quantities vented and flared, and nonhydrocarbon gases removed in treating or processing operations. Includes all quantities of gas used in field and processing operations. See Explanatory Note 1 for discussion of coverage of data concerning nonhydrocarbon gases removed.

Native Gas: Gas in place at the time that a reservoir was converted to use as an underground storage reservoir as in contrast to injected gas volumes.

Natural Gas: A mixture of hydrocarbon compounds and small quantities of various nonhydrocarbons existing in the gaseous phase or solution with oil in natural underground reservoirs at reservoir conditions.

Nonhydrocarbon Gases: Typical nonhydrocarbon gases that may be present in reservoir natural gas are carbon dioxide, helium, hydrogen sulfide, and nitrogen.

Oil Well (Casinghead) Gas: Associated and dissolved gas produced along with crude oil from oil completions.

Onsystem Sales: Sales to customers where the delivery point is a point on, or directly interconnected with, a transportation, storage, and/or distribution system operated by the reporting company.

Pipeline Fuel: Gas consumed in the operation of pipelines, primarily in compressors.

Repressuring: The injection of gas into oil or gas formations to effect greater ultimate recovery.

Residential Consumption: Gas used in private dwellings, including apartments, for heating, cooking, water heating, and other household uses.

Salt Cavern Storage Field: A storage facility that is a cavern hollowed out in either a salt "bed" or "dome" formation.

Storage Additions: The volume of gas injected or otherwise added to underground natural gas or liquefied natural gas storage during the applicable reporting period.

Storage Withdrawals: Total volume of gas withdrawn from underground storage or liquefied natural gas storage during the applicable reporting period.

Supplemental Gaseous Fuels Supplies: Synthetic natural gas, propane-air, refinery gas, biomass gas, air injected for stabilization of heating content, and manufactured gas commingled and distributed with natural gas.

Synthetic Natural Gas (SNG): A manufactured product chemically similar in most respects to natural gas, that results from the conversion or reforming of petroleum hydrocarbons and may easily be substituted for or interchanged with pipeline quality natural gas.

Therm: One-hundred thousand British thermal units.

Underground Gas Storage Reservoir Capacity: Interstate company reservoir capacities are those certified by FERC. Independent producer and intrastate

company reservoir capacities are reported as developed capacity.

Vented Gas: Gas released into the air on the base site or at processing plants.

Wellhead Price: Represents the wellhead sales price, including charges for natural gas plant liquids subsequently removed from the gas, gathering and compression charges, and State production, severance, and/or similar charges.

Working (Top Storage) Gas: The volume of gas in an underground storage reservoir above the designed level of the base. It may or may not be completely withdrawn during any particular withdrawal season. Conditions permitting, the total working capacity could be used more than once during any season.